PB-239 746

ASSESSMENT OF CATALYSTS FOR CONTROL OF NOx FROM STATIONARY POWER PLANTS, PHASE 1, VOLUME II

DATA BANK CITATION INDICES

TRW Systems

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Environmental Protection Agency

January 1975

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16. ABSTRACT The report summarizes results of investigations to assess the technical and economic feasibility of utilizing catalytic processes in power plant nitrogen oxide (NOx) emission abatement. The investigations involved a literature survey and the development of a data bank on pertinent articles and patents, experimental screening tests on selected promising catalysts, and preliminary design and cost analysis of candidate processes adapted to new and/or existing power plants. The stepwise selection and prioritization of catalysts indicated that at least two types of catalytic NOx control processes should be adaptable to power generating plants: selective reduction of NOx with ammonia on non-noble metal catalysts; and simultaneous nonselective reduction of NOx and sulfur oxides with coal-derived reductants on non-noble metal catalysts.

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Nitrogen Oxides	Stationary Sources	07B
Catalysis	Non-Precious Metals	07D
Feasibility	Coal-Derived Reductants	14A
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ASSESSMENT OF CATALYSTS FOR CONTROL OF NO_X FROM STATIONARY POWER PLANTS, PHASE 1 VOLUME II - DATA BANK CITATION INDICES

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CONTENTS (VOLUME II)

		Page No.
1.	Introduction	1
2.	Keyword Index (Catalytic NO_x Abatement Data Bank Printout)	3
3.	Author Index (Bibliography - Catalytic NO_x Abatement Data Bank Printout)	178
4.	Accession Number Index (Catalytic NO_x Abatement Data Bank Printout)	221

1. INTRODUCTION

This volume is comprised of three computer printouts representing three indices of the "Catalytic NO_x Abatement Data Bank" developed for the "Technical and Economic Assessment of Catalysts for Control of NO_x from Stationary Power Plants" Program.

The data bank contains in excess of 250 documents (articles and patents) selected from the following areas of NO_x and NO_x-SO_x R&D literature:

- Decomposition and oxidation of NO_x.
- Selective and nonselective catalytic NO_x reduction with actual or synthetic flue gases and ICE (internal combustion engine) exhaust.
- Basic studies on catalytic NO_x decomposition, oxidation, and reduction.
- Basic studies on ammonia decomposition and oxidation.
- Preparation procedures for NO_x abatement catalysts.
- Simultaneous NO_x-SO_x abatement
- Economic and engineering analyses on NO_x-SO_x control processes proposed for power-plant or related source utilization.

Each document was keyworded to reflect both broad and narrow areas of NO_x R&D for easy accession to very general and very specific information. An accession number was assigned to each document.

The first computer printout is the Keyword Index of the data bank which classifies the documents into 28 groups corresponding to the 28 keywords groups corresponding to the 28 keywords listed below:

Keyword		Refer to
1.	BASE-METAL-CAT	All non-noble metal catalysts
2.	CATALYT-DECOMP	Catalytic decomposition of NO_x
3.	CATALYT-OXID	Catalytic oxidation of NO_x
4.	CATALYT-REDXN	Catalytic reduction of NO_x
5.	CU-BASED-CATAL	Copper-based catalysts
6.	FLUE-GAS-CONTR	Data or information given for actual flue gases
7.	MOBILE-SOURCE	Automotive NO_x control
8.	NOBLE-METAL-CAT	Noble metal catalyst
9.	OTHER-NOX-CAT	Catalyst other than noble, transition, and heavy metals and rare earths (e.g., Alkaline earths)
10.	OXID-W/OTHER	Oxidation with oxidant other than oxygen
11.	OXID-W/O_2	Oxidation with oxygen
12.	PATENTS	Patented catalysts or systems
13.	POWER-PLANTS	References specific for power plants
14.	RARE-EARTH-CAT	Catalysts containing rare earths
15.	RED-W/GAS-MIXT	Data on information given for synthetic gas mixtures
16.	RED-W/SULF-COMP	Reduction with sulfur compounds
17.	REDXN-W/CO	Reduction with carbon monoxide
18.	REDXN-W/FUEL	Reduction with liquid hydrocarbons
19.	REDXN-W/HC	Reduction with gaseous hydrocarbons
20.	REDXN-W/H2	Reduction with hydrogen
21.	REDXN-W/NH3	Reduction with ammonia
22.	REDXN-W/OTHER	Any NO_x catalytic reduction not covered above
23.	REVIEW-ARTICLES	Articles presenting a view of the field of NO_x catalysis or containing extensive bibliographies
24	SELECTIVE-CATAL	Selective reduction in the presence of O_2
25.	SIM-NOX-SOX-CON	Simultaneous control of NO_x and SO_x
26.	STATION-SOURCE	Stationary source control
27.	TRANS-METAL-CAT	Transition metal catalysts
28.	REL-MATL	Additional data related to NO_x processes

The second printout represents the bibliography (Author Index) of the data bank and the last computer printout is the Accession Number Index.

KEYWORD	ACC NO	TITLE
BASE-METAL-CAT	0003N	"EFFECT OF CATALYTIC CONVERTERS ON AUTOMOTIVE AMMONIA EMISSIONS" HUNTER,J.E. PAPER PRESENTED AT CENTRAL STATES SECTION,COMBUSTION INSTITUTE,ANN ARBOR,MICH.,MAR. 1971,GMR-1061,12P.
	0007N	"THE CATALYTIC DECOMPOSITION OF NITRIC OXIDE BY METALLIC OXIDES" WINTER,E.R.S. JOURNAL OF CATALYSTS,V.22,1971,P.158-170
	0008N	"THE HETEROGENEOUS DECOMPOSITION OF NITRIC OXIDE WITH OXIDE CATALYSTS" FRASER,J.M.,DANIELS,F. JOURNAL OF PHYSICAL CHEMISTRY,V.62,FEB. 1958,P.215-222
	0024N	"CATALYTIC DECOMPOSITION OF NITRIC OXIDE PRESENT IN LOW CONCENTRATIONS" SOURIRAJAN,S.,BLUMENTHAL,J.L. PROC. 2ND INT. CONGRESS CATALYSIS,PAPER 131,PARIS,1960
	0030N	"STUDIES ON A NEW METHOD OF SIMULTANEOUSLY REMOVING SULFUR DIOXIDE AND OXIDES OF NITROGEN FROM COMBUSTION GASES" RYASON,P.R.,HARKINS,J. JOURNAL OF THE AIR POLLUTION CONTROL ASSOCIATION,V.17,NO.12,DEC. 1967,P.796-799
	0031N	"CATALYST FOR COMPLETE REMOVAL OF OXIDES OF NITROGEN FROM AUTOMOBILE EXHAUST" KOSHIRO,I.,ET AL. SEIDEI DAIGAKU KOGAKUBU KAGAKU HOKOKU,V.7,1969,P.545-546(JAPAN)

KEYWORD	ACC NO	TITLE
BASE-METAL-CAT	0032N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM EXHAUST GASES OF NITRIC ACID PLANTS" VAN DER DRIFT,J. CHEM. TECH,V24,NO.10,1969,P.301-305(NETH.)
	0039N	"PROCESS FOR CATALYTICALLY REDUCING NITROGEN OXIDES IN INDUSTRIAL STACK GASES" CHILDERS,E.,ELLIS,C.W.,RYAN,D.J. U.S. PATENT 2,910,343,OCT. 27,1959,7P.
	0045N	"NITROGEN OXIDE; FORMATION, SUPPRESSION, AND CATALYTIC REDUCTION" MEGUERIAN,G.H. WATER AIR CONSERV. PETROL. IND.,1971,P.21-21
	0052N	"ENGINE EXHAUST EMISSION CONTROL SYSTEM" TOURTELOTTE,J.F.,NEGRA,J.A.,ET AL. U.S. PATENT 3,699,683,OCT. 24,1972,3P.
	0058N	"METHOD OF DECOMPOSING NITROGEN OXIDES" STEPHENS,R.E. U.S. PATENT 3,545,917,DEC. 8,1970,6P.
	0059N	"CATALYST COMPOSITION" STEPHENS,R.E. U.S. PATENT 3,524,721,AUG. 18,1970,6P.
	0061N	"PROCESS FOR REMOVING NITROGEN WITH COBALT-RARE EARTH AND GROUP VI CATALYST" KOVACH,S.M.,ROGERS,F.S. U.S. PATENT 3,345,286,OCT. 3,1967,8P.

KEYWORD	ACC NO	TITLE
BASE-METAL-CAT	0062N	"CATALYST FOR PURIFICATION OF EXHAUST GASES FROM MOTOR VEHICLES AND INDUSTRIAL PLANTS" KOBERSTEIN,E.,LAKATOS,E. U.S. PATENT 3,669,906,JUNE 13,1972,8P.
	0064N	"METHOD OF TREATING EXHAUST GASES OF INTERNAL COMBUSTION ENGINES" GROSS,G.P.,ET AL. U.S. PATENT 3,370,914,FEB. 27,1968,27P.
	0075N	"AIR POLLUTION BY TOXIC GAS AND ITS COUNTER MEASURE" YAMATE,N. J. JAPAN AIR CLEANING ASSOC.,TOKYO,V.3,NO.2,P.19-25,1965 (JAPAN)
	0082N	"CATALYTIC AFTERBURNING OF ORGANIC AIR POLLUTANTS" BETZ,E.C.,FEIST,H.J. TECHNIK (BERLIN),V.20,NO.6,P.395-400,JUNE 1965 (GERMAN TR.)
	0086N	"CATALYST SYSTEM MORPHOLOGY AND DESIGN" DWYER,F.G. PROCEEDINGS,FIRST NATL. SYMP. ON HETEROGENEOUS CATALYSIS FOR CONTROL OF AIR POLLUTION,PHILADELPHIA,NOV. 1968,P.73-86
	0088N	"THE DECOMPOSITION OF NITROUS OXIDE ON THE RARE EARTH SESQUIOXIDES AND RELATED OXIDES" WINTER,E.R.S. JOURNAL OF CATALYSIS,V.15,NO.2,P.144-152,1969
	0093N	"CATALYTIC REDUCTION OF NITRIC OXIDE" SHELEF,M. PROC.,FIRST NATL. SYMP. ON HETEROGENEOUS CATALYSIS FOR CONTROL OF AIR POLLUTION,PHILADELPHIA,NOV. 1968,P.87-112

KEYWORD	ACC NO	TITLE
BASE-METAL-CAT	0103N	"CATALYTIC DECOMPOSITION OF NO IN FLUE GAS (FINAL REPT.)" NUZUM,H.K.,WALLING,J.F. BATTELLE MEMORIAL INST.,COLUMBUS,OHIO,GRANT 5 R01 AP00577.41 P.,MAY 31,1969
	0110N	"TECHNIQUES FOR CONTROLLING THE OXIDES OF NITROGEN" HARDISON,L.C. JOURNAL AIR POLLUTION CONTROL ASSOC.,V.20,NO.6,P.377-382,JUN E 1970
	0112N	"UTILIZATION OF CATALYST IN AIR POLLUTION CONTROL" YAMANAKA,T. KAGAKU KOGYO (TOKYO),V.22,NO.3,P.102-108,MAR. 1971
	0115N	"DESIGN, CONSTRUCTION AND TESTING OF CATALYTIC AFTERBURNERS FOR REMOVAL OF AIR POLLUTANTS FORMED IN AUTOMOTIVE AND STATIONARY COMBUSTION PROCESSES" BAUERLE,G.L.,NOBE,K. IN PROJECT CLEAN AIR,V.1,U.C.L.A. SCHOOL OF ENGINEERING,RESE ARCH PROJ. S-2,46P.,SEP. 1,1970
	0129N	"THE EFFECT OF LEAD ON THE CATALYTIC REDUCTION OF NITRIC OXIDE WITH CARBON MONOXIDE ON CU-AL2O3" SORENSEN,L.,L.,NOBE,K. PREPRINT, AMERICAN CHEMICAL SOCIETY,WASHINGTON,DIV. OF WATER ,AIR,AND WASTE CHEMISTRY,5P.,1971
	0130N	"CATALYTIC MECHANISMS FOR NITROGEN OXIDES REDUCTION (FINAL REPT.)" PETERS,M.S. COLORADO UNIV.,BOULDER,ENGINEERING RESEARCH CENTER,GRANT ORG /NAPCA AP 00388,15P.,MAR. 1,1971

KEYWORD	ACC NO	TITLE
BASE-METAL-CAT	0132N	"CATALYTIC REDUCTION OF OXIDES OF NITROGEN (FINAL REPT.)" PETERSEN,E.E.,BELL,A.T. UNIV. OF CALIF.,BERKELEY,DEPT. OF CHEMICAL ENGINEERING,GRANT AP-00387,6P.,1970
	0133N	"APPLICATION OF CATALYSTS TO AUTOMOTIVE NOX EMISSIONS CONTROL" BERNSTIEN,L.S.,KEARBY,K.K.,RAMAN,A.K.S.,VARDI,J.,WIGG,E.F. PRESENTED AT THE AUTOMOTIVE ENGINEERING CONGRESS,DETROIT,JAN. 11-15,1971,PAPER 710014,17P.
	0136N	"EXHAUST GAS PURIFICATION" JONES,J.H.,WEAVER,E.F. U.S. PATENT 3,599,427,AUG. 17,1971,6P.
	0138N	"REMOVAL OF SULFUR DIOXIDE FROM WASTE GASES BY REDUCTION TO ELEMENTAL SULFUR (FINAL REPORT)" TORO,R.F.,MAGDER,J.,GODING,A.T. PRINCETON CHEMICAL RESEARCH INC.,N.J.,295P.,JULY 30,1969
	0139N	"DRY TYPE SMOKE DESULFURIZATION TECHNIQUE USING METAL OXIDE CATALYST" INAGAKI,K. KOGAI (HAKUA SHOBO),V.7,NO.1,P.21-26,JAN. 1972 (JAPANESE)
	0145N	"AUTOMOTIVE EXHAUST GAS PURIFICATION CATALYST" TODO,M. SEKIYU TO SEKIYU KAGAKU (PETROL. PETROCHEM.),V.15,NO.7,P.103-108,1971 (JAPANESE)

KEYWORD	ACC NO	TITLE
BASE-METAL-CAT	0147N	"THE CATALYTIC DECOMPOSITION OF NITROUS OXIDE ON TITANIUM DIOXIDE; ANATASE AND RUTILE" ONISHI,Y. BULL. CHEM. SOC. JAPAN (TOKYO),V.45,NO.3,P.922-923,MAR. 1972
	0150N	"THE CATALYTIC OXIDATION OF AMMONIA INTO NITRIC ACID" NEUMANN,B.,ROSE,H. A. ANGEW. CHEM (WEINHEIM),V.1,P.45-48,51-55,FEB. 24,1920 (TRANS. FROM GERMAN)
	0154N	"CATALYTIC REMOVAL OF NOX IN GASES" INOUE,T. NENRYO KYOKAISHI (J. FUEL SOC. JAPAN, TOKYO),V.51,NO.1,P.19-24,JAN. 1972 (JAPANESE)
	0156N	"ACTIVITY OF COBALT IONS DISPERSED IN MAGNESIUM OXIDE FOR THE DECOMPOSITION OF NITROUS OXIDE" CIMINO,A.,PEPE,F. JOURNAL OF CATALYSIS,V.25,NO.3,P.362-377,JUNE 1972
	0160N	"THE CONVERSION CATALYSTS OF AUTOMOTIVE EXHAUST GAS" YOSHITOMI,S.,KASHIYAE,M. NENRYO KYOKAISHI (J. FUEL SOC. JAPAN, TOKYO),V.51,NO.541,P.274-280,MAY 1972 (JAPANESE)
	0162N	"KINETIC STUDIES OF THE N2O-CO REACTION CATALYZED BY CHROMIUM-PROMOTED IRON OXIDE" LEECH,C.A.,PETERS,M.S. PREPRINT, AMERICAN INST. OF CHEMICAL ENGINEERS,NEW YORK,15P.,1971,FROM 64TH MEETING

KEYWORD	ACC NO	TITLE
BASE-METAL-CAT	0166N	"OXIDATION-REDUCTION CATALYSIS" RUTH,J.F.,DOERR,R.C. INDUSTRIAL ENGINEERING CHEMISTRY,V.53,NO.4,P.293-296,APR. 19 61
	0167N	"THE OXIDATION OF CO BY O2 AND BY NO ON SUPPORTED CHROMIUM OXIDE AND OTHER METAL OXIDE CATALYSTS" SHELEF,M.,OTTO,K.,GANDHI,H. JOURNAL OF CATALYSIS,V.12,NO.4,P.361-375,1968
	0171N	"CATALYTIC PURIFICATION OF COMBUSTION GASES" HISADA,S. GER. PATENT 2,119,897,NOV. 18,1971,11P. (GERMAN)
	0172N	"MITSUBISHI STATUS REPORT ON LOW EMISSION CONCEPT VEHICLES" KANEKO,Y.,KIYOTA,Y. S.A.E. SPEC. PUB.,NO.370;1-12,MAY 1972 (PRESENTED AT THE NAT IONAL AUTOMOBILE ENGINEERING MEETING,DETROIT,MAY 22-26,1972,
	0176N	"CATALYTIC REMOVAL OF NITROGEN OXIDES, CARBON MONOXIDE AND HYDROCARBONS FROM COMBUSTION EXHAUST STREAMS" TAYLOR,F.R. FRANKLIN INSTITUTE LABORATORIES,PHILADELPHIA,PA.,1959,18P.
	0180N	"OXYGEN INHIBITION IN THE DECOMPOSITION OF NO ON METAL OXIDES AND PLATINUM" AMIRNAZMI,A.,BENSON,J.E.,BOUDART,M. JOURNAL OF CATALYSIS,30,1973,P.55-65
	0205N	"A LOW TEMPERATURE CATALYTIC APPROACH TO NO(X) CONTROL" LAWSON,A. JOURNAL OF CATALYSIS,24,1972,P.297-305

KEYWORD	ACC NO	TITLE
BASE-METAL-CAT	0166N	"OXIDATION-REDUCTION CATALYSIS" ROTH,J.F.,DOERR,R.C. INDUSTRIAL ENGINEERING CHEMISTRY,V.53,NO.4,P.293-296,APR. 19 61
	0167N	"THE OXIDATION OF CO BY O2 AND BY NO ON SUPPORTED CHROMIUM OXIDE AND OTHER METAL OXIDE CATALYSTS" SHELEF,M.,OTTO,K.,GANDHI,H. JOURNAL OF CATALYSIS,V.12,NO.4,P.361-375,1968
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	0172N	"MITSUBISHI STATUS REPORT ON LOW EMISSION CONCEPT VEHICLES" KANEKO,Y.,KIYOTA,Y. S.A.E. SPEC. PUB.,NO.370;1-12,MAY 1972 (PRESENTED AT THE NAT IONAL AUTOMOBILE ENGINEERING MEETING,DETROIT,MAY 22-26,1972,
	0176N	"CATALYTIC REMOVAL OF NITROGEN OXIDES, CARBON MONOXIDE AND HYDROCARBONS FROM COMBUSTION EXHAUST STREAMS" TAYLOR,F.R. FRANKLIN INSTITUTE LABORATORIES,PHILADELPHIA,PA.,1959,18P.
	0180N	"OXYGEN INHIBITION IN THE DECOMPOSITION OF NO ON METAL OXIDES AND PLATINUM" AMIRNAZMI,A.,BENSON,J.E.,BOUDART,M. JOURNAL OF CATALYSIS,30,1973,P.55-65
	0205N	"A LOW TEMPERATURE CATALYTIC APPROACH TO NO(X) CONTROL" LAWSON,A. JOURNAL OF CATALYSIS,24,1972,P.297-305

KEYWORD	ACC NO	TITLE
BASE-METAL-CAT	0206N	"CATALYTIC PROPERTIES OF METAL OXIDES OF PERIOD VI OF THE PERIODIC SYSTEM WITH RESPECT TO OXIDATION REACTIONS" YUREVA,T.M.,POPOVSKII,V.V.,BORESKOV,G.K. TRANSLATED FROM KINETIKA I KATALIZ,V. 6,NO. 6,NOV.-DEC. 1965 ,P.1041-1045
	0213N	"DRY CATALYTIC REDUCING REACTION FOR NITROGEN OXIDES" KASAOKA,N.,MOTOO,K.,SETSUO,I. PREPRINT,JAPAN SOCIETY OF CHEMICAL ENGINEERING, TOKYO, P. 25 -27, 1973
	0215N	"METHOD FOR REMOVING NITROGEN OXIDES FROM WASTE GASES" ENDO,A.,TETSU,T.,KEIZO,M. JAPAN PAT. SHO 47-50981, 3P., DEC. 21, 1972
	0220N	"POWER AND INDUSTRY; CONTROL OF NITROGEN OXIDE EMISSIONS" PERRINE,R.L.,LIMIN,H. PROJECT CLEAN AIR, CALIF. UNIV. BERKELEY, TASK FORCE 5, 1(9) , SEPT. 1970
	0222N	"METHOD OF REMOVING SULFUR DIOXIDE AND NITROGEN OXIDES FROM GASES" RYASON,P.R. U.S. PAT. 3,454,355, JULY 8, 1969
	0230N	"CHROMIUM OXIDE-IRON OXIDE-NICKEL OXIDE CATALYSTS FOR TREATMENT OF AUTOMOTIVE EXHAUST GASES" OKUYAMA,T.,SANO,M.,MINE,J. GER. OFFEN. 2308789 (B01J), AUG. 30,1973

KEYWORD	ACC NO	TITLE
BASE-METAL-CAT	0232N	"STABILITY OF NITRIC OXIDE OVER A LONG TIME INTERVAL" HOWARD,C.S.,DANIELS,G. J. PHYS. CHEM., 62(3); 360-1, 1958
	0240N	"CATALYTIC DECOMPOSITION OF NITRIC OXIDE" RIESZ,C.H.,MORRITZ,F.L.,FRANSON,K.D. AIR POLLUTION FOUNDATION REPORT, NO. 20, 22P., 1957
	0243N	"FORMS OF OXYGEN BONDS ON THE SURFACE OF OXIDATION CATALYSTS" BORESKOV,G.K. DISC. FARADAY SOC., 41; 263, 1966
	0246N	"ANALYSIS OF THE PRE-EXPONENTIAL FACTOR FOR THE HETEROGENEOUS CATALYTIC DECOMPOSITION OF NITRIC OXIDE" GODOLETS,G.I. KINETIKA I KATALIZ, 6(6); 1123-1124, 1965
	0252N	"CATALYSTS FOR AUTOMOTIVE POLLUTION CONTROL DEVICES" NOBE,K.,BAUERLE,G.L. FINAL REPORT, SCHOOL OF ENGINEERING AND APPLIED SCIENCES. U.C.L.A., SEPT. 1973
	0255N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,RADOWSKY,F.W.,HERSCHBERG,E.H.,LANG,C.R.,SCHOC S.A.E. PAPER 720480, MAY 1972
	0256N	"NITRIC OXIDE REDUCTION WITH H2 ON MIXED METAL OXIDE CATALYSTS" BAUERLE,G.L.,NOBE,K. IN PRESS, 1974

KEYWORD	ACC NO	TITLE
BASE-METAL-CAT	0257N	"REDUCTION OF NITRIC OXIDE WITH HYDROGEN ON COPPER-NICKEL AND NICKEL-CHROMIUM CATALYSTS" ORSINI,R.A.,TUNICK,S.A.,BAUERLE,G.L.,NOBE,K. U.C.L.A. REPORT UCLA-ENG-7402, JAN. 1976
	0258N	"AMMONIA FORMATION IN THE CATALYTIC REDUCTION OF NITRIC OXIDE. III. THE ROLE OF WATER GAS SHIFT, REDUCTION BY HYDROCARBONS AND STEAM REFORMING" SHELEF,M.,GANDHI,H.S. IND. ENG. CHEM., PROD. RES. DEVELOP., 13(1); 80-85, 1974
CATALYT-DECOMP	0001N	"THE HETEROGENEOUS DECOMPOSITION OF NITRIC OXIDE ON SUPPORTED CATALYSTS" SHELEF,M.,OTTO,K.,GANDHI,H. ATMOSPHERIC ENVIRONMENT,V. 3,1969,P.107-122
	0007N	"THE CATALYTIC DECOMPOSITION OF NITRIC OXIDE BY METALLIC OXIDES" WINTER,E.R.S. JOURNAL OF CATALYSTS,V.22,1971,P.158-170
	0008N	"THE HETEROGENEOUS DECOMPOSITION OF NITRIC OXIDE WITH OXIDE CATALYSTS" FRASER,J.M.,DANIELS,F. JOURNAL OF PHYSICAL CHEMISTRY,V.62,FEB. 1958,P.215-222
	0014N	"CATALYSIS FOR CONTROL OF AUTOMOTIVE EMISSIONS" DWYER,F.G. CATALYSIS REVIEWS,V.6,NO.2,1972,P.261-291

KEYWORD	ACC NO	TITLE
CATALYT-DECOMP	0024N	"CATALYTIC DECOMPOSITION OF NITRIC OXIDE PRESENT IN LOW CONCENTRATIONS" SOURIRAJAN,S.,BLUMENTHAL,J.L. PROC. 2ND INT. CONGRESS CATALYSIS,PAPER 131,PARIS,1960
	0032N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM EXHAUST GASES OF NITRIC ACID PLANTS" VAN DER DRIFT,J. CHEM. TECH,V24,NO.10,1969,P.301-305(NETH.)
	0041N	"EFFICIENT AND ECONOMICAL DECOMPOSITION OF OXIDES OF NITROGEN" HARRIS,S.W.,MORELLO,E.F.,PETERS,G.H. U.S. PATENT 3,459,494,AUG. 5,1969,2P.
	0045N	"NITROGEN OXIDE; FORMATION, SUPPRESSION, AND CATALYTIC REDUCTION" MEGUERIAN,G.H. WATER AIR CONSERV. PETROL. IND.,1971,P.21-21
	0058N	"METHOD OF DECOMPOSING NITROGEN OXIDES" STEPHENS,R.E. U.S. PATENT 3,545,917,DEC. 8,1970,6P.
	0059N	"CATALYST COMPOSITION" STEPHENS,R.E. U.S. PATENT 3,524,721,AUG. 18,1970,6P.
	0063N	"METHOD OF DECOMPOSING NITROGEN OXIDES" STEPHENS,R.E. U.S. PATENT 3,552,913,JAN. 5,1971,4P.

KEYWORD	ACC NO	TITLE
CATALYT-DECOMP	0069N	"CATALYTIC DECOMPOSITION OF NITROGEN DIOXIDE" NOBE,K.,WIKSTROM,L.L. PREPRINT,AM. CHEM. SOC.,PITTSBURGH,DOV. WATER,AIR WASTE CHEM .,P.268-273,1963
	0072N	"KINETICS OF CATALYTIC DECOMPOSITION OF NITRIC OXIDE" HARDING,J.W. UNIV. MICROFILMS INC.,1969,76P.
	0078N	"A SOLID CHEMICAL AIR GENERATOR" PETERS,G.H.,AKER,J.E.,MORELLO,E.F. AMOCO CHEMICALS CORP.,SEYMOUR,IND.,PROPELLANTS DEV.,REPT. NO . AMRL-TDR-64-71,DSEPT. 1964,55P.
	0081N	"CATALYTIC DECOMPOSITION OF NITRIC OXIDE" SAKAIDA,R.R.,RINDER,R.G.,WANG,U.L.,CORCORAN,W.J. JOURNAL OF AMER. INST. OF CHEM. ENG.,V.7,NO.4,P.658-663,DEC. 1961
	0088N	"THE DECOMPOSITION OF NITROUS OXIDE ON THE RARE EARTH SESQUIOXIDES AND RELATED OXIDES" WINTER,E.R.S. JOURNAL OF CATALYSIS,V.15,NO.2,P.144-152,1969
	0093N	"CATALYTIC REDUCTION OF NITRIC OXIDE" SHELEF,M. PROC.,FIRST NATL. SYMP. ON HETEROGENEOUS CATALYSIS FOR CONTR OL OF AIR POLLUTION,PHILADELPHIA,NOV. 1968,P.87-112
	0100N	"CATALYTIC DECOMPOSITION OF N2O AND OXYGEN DESORPTION SPECTRA ON NIO" GAY,I.D. JOURNAL OF CATALYSIS,V.17,NO.2,P.245-251,MAY 1970

KEYWORD	ACC NO	TITLE
CATALYT-DECOMP	0103N	"CATALYTIC DECOMPOSITION OF NO IN FLUE GAS (FINAL REPT.)" NUZUM,H.K.,WALLING,J.F. BATTELLE MEMORIAL INST.,COLUMBUS,OHIO,GRANT 5 R01 AP00577.41 P.,MAY 31,1969
	0108N	"CONTROL OF NITROGEN OXIDE EMISSIONS FROM STATIONARY COMBUSTION SOURCES" BARTOK,W.,CRAWFORD,A.R.,SKOPP,A. COMBUSTION,V.42,NO.4,P.37-40,OCT. 1970
	0120N	"THE CHEMISORPTION OF NITRIC OXIDE AND NITROGEN ON RHENIUM" TAMURA,T. BULL. CHEM. SOC. JAPAN (TOKYO),V.44,NO.3,P.590-595,MAR. 1971
	0134N	"THE BEHAVIOR OF NITRIC OXIDE IN HETEROGENEOUS CATALYTIC REACTIONS" SHELEF,M.,KUMMER,J.T. CHEMICAL ENGINEERING PROGRESS SYMP. SERIES,V.67,NO.115,P.74-92,1971
	0141N	"CATALYTIC DECOMPOSITION OF NITROGEN DIOXIDE ON A HEATED PLATINUM WIRE" ONG,B.G.,MASON,D.M. INDUSTRIAL ENGINEERING CHEMISTRY FUNDAMENTALS,V.11,NO.2,P.169-174,MAY 1972
	0144N	"CONTROL OF NITROGEN OXIDE EMISSIONS FROM COMBUSTION SOURCES; PT. I. STATIONARY COMBUSTION SOURCES" SOLOOJO,K.C. JOURNAL OF FUEL HEAT TECHNOLOGY,V.18,NO.1,P.2-6,JAN. 1972

KEYWORD	ACC NO	TITLE
CATALYT-DECOMP	0147N	"THE CATALYTIC DECOMPOSITION OF NITROUS OXIDE ON TITANIUM DIOXIDE; ANATASE AND RUTILE" ONISHI,Y. BULL. CHEM. SOC. JAPAN (TOKYO),V.45,NO.3,P.922-923,MAR. 1972
	0156N	"ACTIVITY OF COBALT IONS DISPERSED IN MAGNESIUM OXIDE FOR THE DECOMPOSITION OF NITROUS OXIDE" CIMINO,A.,PEPE,F. JOURNAL OF CATALYSIS,V.25,NO.3,P.362-377,JUNE 1972
	0159N	"THE EFFECT OF GAS TEMPERATURE ON THE RATE OF A HETEROGENEOUS REACTION; A PARASITE EFFECT OCCURRING DURING THE NITROUS OXIDE DECOMPOSITION OVER PLATINUM IN A CLOSED RE KLOSTER,J.P.,LINTZ,H. Z. PHYSIK. CHEM. NEUE FOLGE (FRANKFURT),V.78(3/4),P.215-218, MAY 1972 (GERMAN)
	0160N	"THE CONVERSION CATALYSTS OF AUTOMOTIVE EXHAUST GAS" YOSHITOMI,S.,KASHIYAE,M. NENRYO KYOKAISHI (J. FUEL SOC. JAPAN, TOKYO),V.51,NO.541,P.274-280,MAY 1972 (JAPANESE)
	0178N	"SYSTEMS STUDY OF NITROGEN OXIDE CONTROL METHODS FOR STATIONARY SOURCES" BARTOK,W.,ET AL. ESSO RESEARCH AND ENGINEERING CO.,FINAL RPT.,V. 2,NO. GR-2-MPS-69,NOV. 20,1969 (PB 192-789)
	0180N	"OXYGEN INHIBITION IN THE DECOMPOSITION OF NO ON METAL OXIDES AND PLATINUM" AMIRNAZMI,A.,BENSON,J.E.,BOUDART,M. JOURNAL OF CATALYSIS,30,1973,P.55-65

KEYWORD	ACC NO	TITLE
CATALYT-DECOMP	0190N	"CATALYTIC DECOMPOSITION OF NITROGEN OXIDES" OODAN,K.,SASAYA,H.,YOSHIDA,K.,OTSUKA,H. JAPAN. KOKAI 7355870 (13(7)A11), AUG. 6,1973,4P.
	0199N	"PALLADIUM-PLATINUM CATALYSTS FOR DECOMPOSITION OF NITROGEN OXIDES" TSUNOI,K.,TADA,K. JAPAN. KOKAI 73 15785,FEB. 28,1973,3P.
	0205N	"A LOW TEMPERATURE CATALYTIC APPROACH TO NO(X) CONTROL" LAWSON,A. JOURNAL OF CATALYSIS,24,1972,P.297-305
	0206N	"CATALYTIC PROPERTIES OF METAL OXIDES OF PERIOD VI OF THE PERIODIC SYSTEM WITH RESPECT TO OXIDATION REACTIONS" YUREVA,T.M.,POPOVSKII,V.V.,BORESKOV,G.K. TRANSLATED FROM KINETIKA I KATALIZ,V. 6,NO. 6,NOV.-DEC. 1965 ,P.1041-1045
	0220N	"POWER AND INDUSTRY; CONTROL OF NITROGEN OXIDE EMISSIONS" PERRINE,R.L.,LIMIN,H. PROJECT CLEAN AIR, CALIF. UNIV. BERKELEY, TASK FORCE 5, 1(9) , SEPT. 1970
	0232N	"STABILITY OF NITRIC OXIDE OVER A LONG TIME INTERVAL" HOWARD,C.S.,DANIELS,G. J. PHYS. CHEM., 62(3); 360-1, 1958
	0233N	"THE CATALYTIC DECOMPOSITION OF NITRIC OXIDE AT THE SURFACE OF PLATINUM" GREEN,T.E.,HINSHELWOOD,C.N. J. CHEM. SOC., PP. 1709-13, 1926

KEYWORD	ACC NO	TITLE
CATALYT-DECOMP	0234N	"DECOMPOSITION OF NITRIC OXIDE BY PLATINUM AT ELEVATED TEMPERATURES AND ITS RETARDATION BY OXYGEN" BACHMAN,P.W.,TAYLOR,G.G. J. PHYS. CHEM., 33; 447-55, 1929
	0235N	"KINETICS OF THE THERMAL DECOMPOSITION AND FORMATION OF NITRIC OXIDE" VETTER,K. Z. ELECTROCHEM., PART I AND II, 53; 369-80, 1949
	0236N	"KINETICS OF DECOMPOSITION OF NITRIC OXIDE AT ELEVATED TEMPERATURES. I. RATE MEASUREMENTS IN A QUARTZ VESSEL" WISE,H.,FRECH,M.F. J. CHEM. PHYSICS, 20(1); 22-4, 1952
	0237N	"KINETICS OF DECOMPOSITION OF NO AT ELEVATED TEMPERATURES. II. THE EFFECT OF REACTION PRODUCTS AND THE MECHANISM OF DECOMPOSITION" WISE,H.,FRECH,M.F. J. CHEM. PHYSICS, 20(11); 1724-7, 1952
	0238N	"KINETICS OF DECOMPOSITION OF NITRIC OXIDE" KAUFMAN,F.,KELSO,J.R. J. CHEM. PHYSICS, 21(4); 751, 1953
	0239N	"KINETICS OF THE DECOMPOSITION OF NITRIC OXIDE THE THE RANGE 700-1800 DEG." YUAN,E.L.,SLAUGHTER,J.I.,KOERNER,W.E.,DANIELS,F. J. PHYS. CHEM., 63(6); 952-6, 1959

KEYWORD	ACC NO	TITLE
CATALYT-DECOMP	0240N	"CATALYTIC DECOMPOSITION OF NITRIC OXIDE" RIESZ,C.H.,MORRITZ,F.L.,FRANSON,K.D. AIR POLLUTION FOUNDATION REPORT, NO. 20, 22P., 1957
	0241N	"SULFUR REMOVAL DURING COMBUSTION OF SOLID FUELS IN A FLUIDIZED BED OF DOLOMITE" ZIELKE,C.W.,LEBOWITZ,H.E.,STRUCK,R.T.,GORIN,E. AMER. CHEM. SOC., DIV. OF FUEL CHEMISTRY, 13(4); 13-29, 1969
	0243N	"FORMS OF OXYGEN BONDS ON THE SURFACE OF OXIDATION CATALYSTS" BORESKOV,G.K. DISC. FARADAY SOC., 41; 263, 1966
	0244N	"CATALYSIS" LAIDLER,K.J. REINHOLD (P.H. EMMET ED.), NEW YORK, V. 1, 1954, P. 149
	0245N	"LA DECOMPOSITION DU BIOXYDE D AZOTE PAR LES CATALYSEURS DE PLATINE" ZAWADZKI,J.,PERLINSKI,G. COMPTES RENDUS, 198; 260, 1934
	0246N	"ANALYSIS OF THE PRE-EXPONENTIAL FACTOR FOR THE HETEROGENEOUS CATALYTIC DECOMPOSITION OF NITRIC OXIDE" GODOLETS,G.I. KINETIKA I KATALIZ, 6(6); 1123-1124, 1965
	0251N	"STUDY OF CATALYTIC CONTROL OF EXHAUST EMISSIONS FOR OTTO CYCLE ENGINES" YOLLES,R.S.,WISE,H.,BERRIMAN,L.P. STANFORD RESEARCH INSITIUTE, FINAL REPORT, IRVINE, CA., APR. 1970

KEYWORD	ACC NO	TITLE
CATALYT-OXIDN	0016N	"CATALYTIC REDUCTION OF NITRIC OXIDE WITH CARRON MONOXIDF" BAUERLE,G.L.,SFRVICE,G.R.,NOBE,K. I AND EC PRODUCT RFSFARCH AND DFVELOPMENT,V.11,NO.1,MAR. 1972,P.54-58
	0018N	"PROCESS FOR REMOVING NITRIC OXIDE FROM GASFOUS MIXTURFS" BAUM,W.H.,GRIST,J.G.,NAGLE,F.V. U.S. PATENT 3,428,414,FEB. 18,1969,6P.
	0080N	"CATALYTIC COMBUSTION OF ATMOSPHERIC CONTAMINANTS OVER HOPCALITE" CHRISTIAN,J.G.,JOHNSON,J.E. INTERNATIONAL JOURNAL AIR WATER POLLUTION 9, (1/2) 1-10,FFB. 1965
	0085N	"CATALYTIC OXIDATION OF NITRIC OXIDE; PT. 1" KURIN,N.P.,BLOKH,I.O. ZH. PRIKL. KHIM.,V.11,NO.5,P.734-749,1938 (RUSSIAN)
	0095N	"NITROGEN OXIDES FROM STATIONARY COMBUSTION FURNACF" OHYA,M. SANGYO KOGAI,V.5,NO.8,P.448-456,AUG. 25,1969 (JAPANESE)
	0118N	"PROCESS FOR THE OXIDATION OF NITRIC OXIDF" ANDERSEN,H.C.,HALEY,A.J. U.S. PATENT 3,079,232,FEB. 26,1963,4P.
	0125N	"METHOD TO MANUFACTURE VAPOR-PHASE OXIDATION CATALYST FOR SULFUROUS ACID GAS" NINOMIYA,N.,ICHIKAWA,H.,NISHINO,H. JAPAN. PATENT SHO 46-7571,FFB. 25,1971,2P.

KEYWORD	ACC NO	TITLE
CATALYT-OXIDN	0139N	"DRY TYPE SMOKE DESULFURIZATION TECHNIQUE USING METAL OXIDE CATALYST" INAGAKI,K. KOGAI (HAKUA SHOBO),V.7,NO.1,P.21-26,JAN. 1972 (JAPANESE)
	0154N	"CATALYTIC REMOVAL OF NOX IN GASES" INOUE,T. NENRYO KYOKAISHI (J. FUEL SOC. JAPAN, TOKYO),V.51,NO.1,P.19-24,JAN. 1972 (JAPANESE)
	0178N	"SYSTEMS STUDY OF NITROGEN OXIDE CONTROL METHODS FOR STATIONARY SOURCES" BARTOK,W.,ET AL. ESSO RESEARCH AND ENGINEERING CO.,FINAL RPT.,V. 2,NO. GR-2-M PS-69,NOV. 20,1969 (PB 192-789)
	0187N	"CONTINUOUS CATALYTIC ABSORPTION FOR NO(X) EMISSION CONTROL" MAYLAND,B.J.,HEINZE,R.C. CHEMICAL ENGINEERING PROGRESS V.69,NO.5,MAY 1973,P.75-76
	0194N	"OXIDATION OF NITROGEN MONOXIDE" TAKEYAMA,T.,ENDO,R.,MASUDA,K. JAPAN. KOKAI 73 32795 (15 B22),MAY 2,1973,3P.
CATALYT-REDXN	0002N	"THE CONTROL OF AUTOMOTIVE EMISSIONS WITH DUAL BED CATALYST SYSTEMS" BERNSTEIN,L.S.,RAMAN,A.K.,WIGG,E.E. PAPER PRESENTED TO 1971 TECHNICAL SESSION; ENGINES AND EMISSIONS,CENTRAL STATES SECTION,THE COMBUSTION INST.,MAR. 1971

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0003N	"EFFECT OF CATALYTIC CONVERTERS ON AUTOMOTIVE AMMONIA EMISSIONS" HUNTER,J.E. PAPER PRESENTED AT CENTRAL STATES SECTION,COMBUSTION INSTITUTE,ANN ARBOR,MICH.,MAR. 1971,GMR-1061,12P.
	0004N	"CATALYTIC REDUCTION OF NITROGEN DIOXIDE WITH HYDROGEN" AYEN,R.J.,AMIRNAZMI,A. A.I.CH.E. CLEVELAND MEETING,MAY 1969,30P.
	0009N	"APPERANCE OF N2O IN THE CATALYTIC REDUCTION OF NO BY CO" SHELEF,M.,OTTO,K. JOURNAL OF CATALYSTS,V.10,1968,P.408-413
	0011N	"SELECTIVE CATALYTIC REACTION OF HYDROGEN WITH NITRIC OXIDE IN THE PRESENCE OF OXYGEN" JONES,J.H.,ET AL. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,SEP. 1971,P.790-798
	0012N	"NITRIC ACID PLANT FUME ABATERS" REED,R.M.,HARVIN,R.L. CHEMICAL ENGINEERING PROGRESS,V.68,NO.4,APR. 1972,P.78-79
	0013N	"AMMONIA INTERMEDIACY AS A BASIS FOR CATALYST SELECTION FOR NITRIC OXIDE REDUCTION" KLIMISCH,R.L.,TAYLOR,K.C. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.7,NO.2,FEB. 1972,P.127-131
	0014N	"CATALYSIS FOR CONTROL OF AUTOMOTIVE EMISSIONS" DWYER,F.G. CATALYSIS REVIEWS,V.6,NO.2,1972,P.261-291

KFYWORD	ACC NO	TITIF
CATALYT-REDXN	0015N	"CATALYTIC REDUCTION OF WASTE NITROGEN OXIDFS" MARKVART,M.,POUR,V. INTERNATIONAL CHFMICAL ENGINEERING,V.8,NO.2,APR. 1968,P.261-267
	0016N	"CATALYTIC REDUCTION OF NITRIC OXIDE WITH CARRON MONOXIDF" BAUERLE,G.L.,SERVICE,G.R.,NOBE,K. I AND EC PRODUCT RESFARCH AND DEVELOPMENT,V.11,NO.1,MAR. 1972,P.54-58
	0017N	"AMMON FORMATION IN CATALYTIC REDUCTION OF NITRIC OXIDF RY MOLECULAR HYDROGFN" SHELEF,M.,GANDHI,H.S. IND. ENG. CHEM. PROD. RES. DEVELOP.,V.11,NO.1.MAR. 1972,P.2-11
	0019N	"PREREDUCED CUPRIC OXIDE-COBALTIC OXIDE REDOX CATALYSTS" BAKER,R.A.,DOERR,R.C. U.S. PATENT 3,398,101,AUG. 20,1968,8P.
	0020N	"REDUCTION OF NITRIC OXIDE WITH ETHYLENE ON COPPER-SILICA CATALYST" SOTOODEHNIA-KORRANI,A.,NOBE,K. IND. ENG. CHEM. PROCFSS DES. DEVELOP.,V.9,NO.3,JULY 1970,P.455-459
	0025N	"TUNGSTEN BRONZFS AND MIXED COBALT OXIDES AS POTENTIAL CATALYSTS FOR POLLUTION CONTROL" BAUERLE,G.L.,THOMAS,N.T.,NOBE,K. CHEMICAL ENGINEFRING JOURNAL,V.4,1972,P.199-200

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0026N	"NITRIC OXIDE REDUCTION WITH CO AND C3 HYDROCARBON OXIDATION ON CU-AL2O3-EFFECT OF LEAD" SORENSEN,L.L.C.,NORE,K. I AND EC PRODUCT RESEARCH AND DEVELOPMENT,V.11,NO.4,DEC. 1972,P.423-425
	0027N	"CATALYTIC REDUCTION OF NITROGEN DIOXIDE BY CARBON MONOXIDE" AYEN,R.J.,YONEBAYASHI,T. ATMOSPHERIC ENVIRONMENT,V.1,1967,P.307-318
	0028N	"CATALYZED NITRIC OXIDE REDUCTION WITH CARBON MONOXIDE" BAKER,R.A.,DOERR,R.C. I AND EC PROCESS DESIGN AND DEVELOPMENT,V.4,NO.2,APR. 1965,P.188-190
	0029N	"CATALYTIC REDUCTION OF NITRIC OXIDE" AYEN,R.J.,PETERS,M.S. I AND EC PROCESS DESIGN AND DEVELOPMENT,V.1,NO.3,JULY 1962,P.204-207
	0030N	"STUDIES ON A NEW METHOD OF SIMULTANEOUSLY REMOVING SULFUR DIOXIDE AND OXIDES OF NITROGEN FROM COMBUSTION GASES" RYASON,P.R.,HARKINS,J. JOURNAL OF THE AIR POLLUTION CONTROL ASSOCIATION,V.17,NO.12,DEC. 1967,P.796-799
	0031N	"CATALYST FOR COMPLETE REMOVAL OF OXIDES OF NITROGEN FROM AUTOMOBILE EXHAUST" KOSHIRO,I.,ET AL. SEIDEI DAIGAKU KOGAKUBU KAGAKU HOKOKU,V.7,1969,P.545-546(JAPAN)

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0032N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM EXHAUST GASES OF NITRIC ACID PLANTS" VAN DER DRIFT,J. CHEM. TECH,V24,NO.10,1969,P.301-305(NETH.)
	0033N	"INCREASING RELIABILITY OF PLATINUM CATALYST SYSTEMS" MATTHEY BISHOP INC. AUTOMOTIVE ENGINEERING,V.80,NO.12,DEC. 1972,P.11
	0034N	"EMISSION CONTROL DEVICE TAKES LEADED FUELS IN STRIDE" QUESTOR CORP. PRODUCT ENGINEERING,JAN. 1973,P.9-10
	0035N	"CATALYTIC REDUCTION OF NITROGEN OXIDES IN AUTOMOBILE EXHAUST" BAKER,R.A.,DOERR,R.C. JOURNAL OF AIR POLLUTION CONTROL ASSOCIATION,V.14,NO.10,OCT. 1964,P.409-414
	0036N	"CATALYTIC PURIFICATION OF TAIL GAS" GILLESPIE,G.R.,BOYUM,A.A.,COLLINS,M.F. CHEMICAL ENGINEERING PROGRESS,V.68,NO.4,APR. 1972,P.72-77
	0038N	"SELECTIVE REMOVAL OF OXIDES OF NITROGEN FROM GAS MIXTURES CONTAINING OXYGEN" NONNENMACHER,H.,KARTTE,K. U.S. PATENT 3,279,384,OCT. 18,1966,4P.
	0039N	"PROCESS FOR CATALYTICALLY REDUCING NITROGEN OXIDES IN INDUSTRIAL STACK GASES" CHILDERS,E.,ELLIS,C.W.,RYAN,D.J. U.S. PATENT 2,910,343,OCT. 27,1959,7P.

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0040N	"MATHEMATICAL DESCRIPTION OF A REACTOR FOR THE CATALYTIC CLEANING OF WASTE GASES FROM THE PRODUCTION OF WEAK NITRIC ACID AT 7.3 ATMOSPHERES" KHOKHEL,O.A.,ET AL. KHIM. PROM. (MOSCOW),V.45,NO.10,1969,P.752-754(RUSS.)
	0042N	"KINETICS OF THE CONTACT INTERACTION OF AMMONIA WITH NITRIC OXIDE AND OXYGEN" KULISH,O.N.,ZASORIN,A.P.,ATROSHCHENKO,A.V. IZV. VYSSH. UCHEB. ZAVED.,KHIM. KHIM. TEKHNOL.,V.15,NO.6,197 2,P.955-957(RUSSI)
	0043N	"CATALYST FOR NITROGEN OXIDE REDUCTION" KLIMISCH,R.L. U.S. PATENT 3,674,423,JULY 4,1972,2P.
	0045N	"NITROGEN OXIDE; FORMATION, SUPPRESSION, AND CATALYTIC REDUCTION" MEGUERIAN,G.H. WATER AIR CONSERV. PETROL. IND.,1971,P.21-21
	0049N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,ET AL. PROC.,DEV. REFINING,AMERICAN PETROLEUM INST.,1972,V.52,P.740 -760
	0050N	"FORD DURABILITY EXPERIENCE ON LOW EMISSION CONCEPT VECHICLES" CAMPAU,R.M.,STEFAN,A.,HANCOCK,E.E. PROC.,DIV. REFINING,AMERICAN PETROLEUM INST.,1972,V.52,P.761 -788

CATALYTIC NOX
CONTROL PROGRAM
KEYWORD INDEX
30 APR 74

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0051N	"CATALYSTS FOR THE INTERACTION OF NITROGEN OXIDES WITH AMMONIA STUDIED TO PURIFY WASTE GASES FROM NITRIC ACID PRODUCTION" ATROSHCHENKO,V.I.,ZASORIN,A.P.,KULISH,O.N. KATAL. KATAL.,1972,NO.9,P.26-30(RUSS.)
	0052N	"ENGINE EXHAUST EMISSION CONTROL SYSTEM" TOURTELOTTE,J.F.,NEGRA,J.A.,ET AL. U.S. PATENT 3,699,683,OCT. 24,1972,3P.
	0057N	"PROCESS FOR CATALYTICALLY TREATING EXHAUST GASES" ROTH,J.F. U.S. PATENT 3,493,325,FEB. 3,1970,9P.
	0060N	"CATALYTIC CONVERSION OF EXHAUST GAS IMPURITIES" KEARBY,K.K. U.S. PATENT 3,565,574,FEB. 23,1971,8P.
	0062N	"CATALYST FOR PURIFICATION OF EXHAUST GASES FROM MOTOR VEHICLES AND INDUSTRIAL PLANTS" KOBERSTEIN,E.,LAKATOS,E. U.S. PATENT 3,669,906,JUNE 13,1972,8P.
	0064N	"METHOD OF TREATING EXHAUST GASES OF INTERNAL COMBUSTION ENGINES" GROSS,G.P.,ET AL. U.S. PATENT 3,370,914,FEB. 27,1968,27P.
	0066N	"SELECTIVE REDUCTION OF NITROGEN OXIDES WITH AMMONIA" MARKVART,M.POUR,V. CHEM. PRUMYSL (PRAGUE),V.19,NO.1,P.8-12,1969 (CZECH.)

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0067N	"THE CATALYTIC NITRIC OXIDE REDUCTION AND AMMONIA OXIDATION (IV)" ADRUSSOW,L. CHEM. BER.,V.60,P.536-540,1927 (GERMAN)
	0068N	"A STUDY OF THE REACTION BETWEEN NITRIC OXIDE AND HYDROGEN SULPHIDE" PIERCE,J.A. JOURNAL OF PHYSICAL CHEMISTRY,V.33,NO.1,P.22-36,JAN. 1929
	0071N	"A NEW FAMILY OF CATALYSTS FOR NITRIC ACID TAIL GASES" ANDERSEN,H.C.,ROMEO,P.L.,GREEN,W.J. NITROGEN,NO. 50,P.33-36,NOV./DEC. 1967
	0073N	"METHOD OF REMOVING NITROGEN OXIDES FROM GASES" CHILDERS,E.,ELLIS,C.W.,RYAN,D.J. U.S. PATENT 3,125,408,MAR. 17,1964
	0074N	"METHOD OF REMOVING NITROGEN OXIDES FROM GASES" COHN,J.G.E. U.S. PATENT 3,118,727,JAN. 21,1964,4P.
	0075N	"AIR POLLUTION BY TOXIC GAS AND ITS COUNTER MEASURE" YAMATE,N. J. JAPAN AIR CLEANING ASSOC.,TOKYO,V.3,NO.2,P.19-25,1965 (JA PAN)
	0076N	"SYSTEM DESIGNS FOR THE CATALYTIC DECOMPOSITION OF NITROGEN OXIDES" DONAHUE,J.L. JOURNAL OF AIR POLLUTION CONTROL ASSOC.,V.8,NO.3,P.209-212,2 22,NOV. 1958

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0079N	"EMISSIONS AND ABATEMENT OF OXIDES OF NITROGEN IN NITRIC ACID MANUFACTURE" TESKE,W. CHEMICAL ENGINEERING,NO. 221,CE263-266,SEPT. 1968
	0082N	"CATALYTIC AFTERBURNING OF ORGANIC AIR POLLUTANTS" BETZ,E.C.,FEIST,H.J. TECHNIK (BERLIN),V.20,NO.6,P.395-400,JUNE 1965 (GERMAN TR.)
	0083N	"THE CATALYTIC REDUCTION OF NITROUS GASES DURING THE MANUFACTURE OF NITRIC ACID" FEIST,J. PROCEEDINGS,INTERNATIONAL CLEAN AIR CONGRESS,LONDON,PT. I,1966,PAPER VI/15,P.199-202
	0084N	"PLATINUM CATALYSTS AND AIR POLLUTION CONTROL" HUNTER,J.B. S. AFRICAN MINING ENG. J.,1968,P.438-440,FEB. 23,1968
	0086N	"CATALYST SYSTEM MORPHOLOGY AND DESIGN" DWYER,F.G. PROCEEDINGS,FIRST NATL. SYMP. ON HETEROGENEOUS CATALYSIS FOR CONTROL OF AIR POLLUTION,PHILADELPHIA,NOV. 1968,P.73-86
	0087N	"PURIFICATION OF NITROGEN OF EXHAUST GAS IN THE PRODUCTION OF WEAK NITRIC ACID FOR THE SYNTHESIS OF AMMONIA" NABIYEW,M.K.,ET AL. DOKL. AKAD. NAUK UZ. SSR,V.20,NO.11,P.17-20,1963 (RUSSIAN)
	0089N	"THE KINETICS OF THE REACTION BETWEEN AMMONIA AND NITRIC OXIDE ON THE SURFACE OF A PLATINUM FILAMENT" MICHAILOVA,E.A. ACTA PHYSICOCHIM. USSR,V.10,NO.5,P.653-676,1939

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0090N	"METHOD FOR REMOVING NITROGEN OXIDES FROM GASES THROUGH CATALYTIC REDUCTION OF THESE SUBSTANCES TO NITROGEN" SCHMIDT,K. WEST GERMAN PATENT 1,259,298,JAN. 25,1968,2P. (GERMAN)
	0091N	"CLEANING OF INDUSTRIAL GASES WITH PRECIOUS METAL CATALYSTS" ANDERSEN,H.C. DECHEMA MONOGRAPH.,V.40,P.325-333,1962 (GERMAN)
	0093N	"CATALYTIC REDUCTION OF NITRIC OXIDE" SHELEF,M. PROC.,FIRST NATL. SYMP. ON HETEROGENEOUS CATALYSIS FOR CONTR OL OF AIR POLLUTION,PHILADELPHIA,NOV. 1968,P.87-112
	0097N	"NATURAL-GAS CATALYTIC REDUCTION OF NITRIC OXIDE TAIL GASES FROM NITRIC ACID PRODUCTION" TIKHONENKO,A.D.,NABIEV,M.N. UZBESK. KHIM. ZH.,V.11,NO.4,P.6-9,1967 (RUSSIAN)
	0099N	"ELIMINATION OF NITROUS GAS EMISSION BY CATALYTIC REDUCTION" JEITNER,O.,KONIG,K. CHEM. TECH. (BERLIN),V.19,NO.3,P.166-169,MAR. 1967 (GERMAN)
	0101N	"CATALYTIC PURIFICATION TREATMENT OF EXHAUST GAS" KEARBY,K.K.,LAND,R.J. U.S. PATENT 3,476,508,NOV. 4,1969,4P.
	0102N	"PLATINUM CATALYSTS FOR THE CONTROL OF AIR POLLUTION; A TAIL GAS REDUCTION SYSTEM FOR NITRIC ACID PLANTS" HUNTER,J.B. PLATINUM METALS REV.,V. 9-12,P.2-6,1965-1968

KEYWORD	ACC NO	TITLE
CATALYT-REDxN	0106N	"CATALYTIC HYDROGENATION OF ACETYLENE AND NITROGEN OXIDES IN COKE GAS" SLUGOCKI,E. PRZEMYSL CHEM.,V.48,NO.2,P.85-87,FEB. 1969 (POLISH)
	0107N	"PROCESS FOR REDUCING NITRIC OXIDE TO NITROUS OXIDE" SLAUGH,L.H. U.S. PATENT 3,321,274,MAY 23,1967,2P.
	0108N	"CONTROL OF NITROGEN OXIDE EMISSIONS FROM STATIONARY COMBUSTION SOURCES" BARTOK,W.,CRAWFORD,A.R.,SKOPP,A. COMBUSTION,V.42,NO.4,P.37-40,OCT. 1970
	0110N	"TECHNIQUES FOR CONTROLLING THE OXIDES OF NITROGEN" HARDISON,L.C. JOURNAL AIR POLLUTION CONTROL ASSOC.,V.20,NO.6,P.377-382,JUN E 1970
	0112N	"UTILIZATION OF CATALYST IN AIR POLLUTION CONTROL" YAMANAKA,T. KAGAKU KOGYO (TOKYO),V.22,NO.3,P.102-108,MAR. 1971
	0113N	"CATALYTIC REDUCTION OF NITRIC OXIDE WITH VARIOUS HYDROCARBONS" AULT,J.W.,AYEN,R.J. JOURNAL OF AM. INST. CHEM. ENGRS.,V.17,NO.2,P.265-271,MAR. 1 971
	0115N	"DESIGN, CONSTRUCTION AND TESTING OF CATALYTIC AFTERBURNERS FOR REMOVAL OF AIR POLLUTANTS FORMED IN AUTOMOTIVE AND STATIONARY COMBUSTION PROCESSES" BAUERLE,G.L.,NOBE,K. IN PROJECT CLEAN AIR,V.1,U.C.L.A. SCHOOL OF ENGINEERING,RESE ARCH PROJ. S-2,46P.,SEP. 1,1970

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0116N	"AUTOMOBILE ENGINE DEVELOPMENT; TASK FORCE ASSESSMENT" CARETTO,L.S.,MCELROY,M.W.,NELSON,J.I.,VENTURINI,P.D. IN; PROJECT CLEAN AIR,CALIF. UNIV.,BERKELEY,DEPT. OF MECHANI CAL ENG.,TASK FORCE 1,V. 1,68P.,SEP. 1,1970
	0117N	"BENCH SCALE INVESTIGATION OF INCRA CATALYST FOR THE TREATMENT OF NITRIC ACID MANUFACTURING PLANT ATMOSPHERIC EMI CHEMICAL CONSTRUCTION CORP. CHEMICAL CONSTRUCTION CORP.,NEW YORK,CONSULTING DIV.,FINAL R EPT. 0053C,87P.,MAR. 1969
	0119N	"UTILIZATION OF CATALYST IN AIR POLLUTION CONTROL (3)" YAMANAKA,T. KAGAKU KOGYO (TOKYO),V.22,NO.4,P.534-539,APR. 1971 (JAPANESE)
	0121N	"CATALYSTS FOR PURIFICATION OF AUTOMOBILE EXHAUST GAS; (II),CONTACT REDUCTION BY CO AND C3H8 OF NO" NAKAJIMA,F.,TAKEUCHI,M. PREPRINT, JAPAN CHEMICAL SOCIETY,TOLYO,1P.,1971 (JAPANESE)
	0122N	"ON REMOVAL OF NO GAS GENERATED IN MEDIUM AND SMALL SIZE CHEMICAL FACTORIES" OYA,S.,OYA,N. PREPRINT, SAFETY ENGINEERING SOCIETY OF JAPAN. TOLYO,4P.,197 0 (JAPANESE)
	0123N	"NITROGEN OXIDE POLLUTION; NITRIC ACID PLANT POLLUTANTS" NEWMAN,D.J. CHEMICAL ENGINEERING PROGRESS,V.67,NO.2,P.79-84,FEB. 1971

CATALYTIC NOX
CONTROL PROGRAM
KEYWORD INDEX
30 APR 74

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0124N	"CONTROL OF NITROGEN OXIDE EMISSIONS FROM NITRIC ACID MANUFACTURING PROCESSES" GERSTLE,R.W.,PETERSON,R.F. AIR ENGINEERING,V.9,NO.4,P.24-28,APR. 1967
	0126N	"CATALYTIC CONTROL OF AUTOMOBILE EXHAUST EMISSIONS" YOLLES,R.S.,WISE,H. CRC CRITICAL REV. ENVIRONMENTAL CONTROL,V.2,NO.1,P.125-146,A PR. 1971
	0127N	"CONTACT TYPE REMOVAL METHOD FOR NO CONTAINED IN GAS MANUFACTURED FROM COAL, COKE, OR OIL" TAKETO,O.,ABE,T.,TOYAMA,A.,HASERA,S. JAPAN. PATENT SHO 46-18383,MAY 22,1971,4P. (JAPANESE)
	0128N	"CATALYTIC REDUCTION OF NITRIC OXIDE WITH PROPYLENE" CHIEN,M.W.,NOBE,K. PREPRINT, AMERICAN CHEMICAL SOCIETY,WASHINGTON.DIV. OF WATER ,AIR,AND WASTE CHEMISTRY,5P.,1971
	0129N	"THE EFFECT OF LEAD ON THE CATALYTIC REDUCTION OF NITRIC OXIDE WITH CARBON MONOXIDE ON CU-AL203" SORENSEN,L.,L.,NOBE,K. PREPRINT, AMERICAN CHEMICAL SOCIETY,WASHINGTON.DIV. OF WATER ,AIR,AND WASTE CHEMISTRY,5P.,1971
	0130N	"CATALYTIC MECHANISMS FOR NITROGEN OXIDES REDUCTION (FINAL REPT.)" PETERS,M.S. COLORADO UNIV.,BOULDER,ENGINEERING RESEARCH CENTER,GRANT ORG /NAPCA AP 00388,15P.,MAR. 1,1971

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0131N	"FILTER FOR ELIMINATING HARMFUL GAS" KANBE,R. PREPRINT, REUTILIZATION OF RESOURCES TECHNICAL ASSOC. (JAPAN),6P.,1971 (JAPANESE)
	0132N	"CATALYTIC REDUCTION OF OXIDES OF NITROGEN (FINAL REPT.)" PETERSEN,E.E.,BELL,A.T. UNIV. OF CALIF.,BERKELEY,DEPT. OF CHEMICAL ENGINEERING,GRANT AP-00387,6P.,1970
	0133N	"APPLICATION OF CATALYSTS TO AUTOMOTIVE NOX EMISSIONS CONTROL" BERNSTIEN,L.S.,KEARBY,K.K.,RAMAN,A.K.S.,VARDI,J.,WIGG,E.F. PRESENTED AT THE AUTOMOTIVE ENGINEERING CONGRESS,DETROIT,JAN. 11-15,1971,PAPER 710014,17P.
	0134N	"THE BEHAVIOR OF NITRIC OXIDE IN HETEROGENEOUS CATALYTIC REACTIONS" SHELEF,M.,KUMMER,J.T. CHEMICAL ENGINEERING PROGRESS SYMP. SERIES,V.67,NO.115,P.74-92,1971
	0135N	"METHOD OF REMOVING NITROGEN OXIDES FORM GASES" KANDELL,P.,NEMES,G. U.S. PATENT 3,567,367,MAR. 2,1971,3P.
	0136N	"EXHAUST GAS PURIFICATION" JONES,J.H.,WEAVER,E.E. U.S. PATENT 3,599,427,AUG. 17,1971,6P.

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0137N	"CATALYSTS FOR PURIFICATION OF WASTE GASES CONTAINING OXIDES OF NITROGEN" HINDIN,S.G.,DETTLING,J.C. U.S. PATENT 3,615,166,OCT. 26,1971,5P.
	0138N	"REMOVAL OF SULFUR DIOXIDE FROM WASTE GASES BY REDUCTION TO ELEMENTAL SULFUR (FINAL REPORT)" TORO,R.F.,MAGDER,J.,GODING,A.T. PRINCETON CHEMICAL RESEARCH INC.,N.J.,295P.,JULY 30,1969
	0140N	"CATALYTIC CONTROL OF NOX EMISSIONS FROM MOBILE SOURCES (FINAL REPORT)" SEEGALL,M.I.,NAPIER,J.C.,COMPTON,W.A. INTERNATIONAL HARVESTER CO.,SAN DIEGO,CA.,RESEARCH LABS.,REPT. RDR 1700,143P.,DEC. 1971
	0142N	"A LOW TEMPERATURE CATALYTIC APPROACH TO NOX CONTROL" LAWSON,A. JOURNAL OF CATALYSIS,V.24,NO.2,P.297-305,FEB. 1972
	0144N	"CONTROL OF NITROGEN OXIDE EMISSIONS FROM COMBUSTION SOURCES; PT. I. STATIONARY COMBUSTION SOURCES" SOLOOJO,K.C. JOURNAL OF FUEL HEAT TECHNOLOGY,V.18,NO.1,P.2-6,JAN. 1972
	0145N	"AUTOMOTIVE EXHAUST GAS PURIFICATION CATALYST" TODO,M. SEKIYU TO SEKIYU KAGAKU (PETROL. PETROCHEM.),V.15,NO.7,P.103-108,1971 (JAPANESE)

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0148N	"CHEMISTRY OF CATALYTIC NITROGEN OXIDE REDUCTION IN AUTOMOTIVE EXHAUST GAS" KLIMISCH,R.L.,BARNES,G.J. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.6,NO.6,P.543-548,JUNE 1972
	0149N	"INVESTIGATION ON CATALYTIC REDUCTION OF EXIT NITRIC OXIDES BY AMMONIA" GAJEWSKI,A.,KUPIEK,S.,ZYGADIO,J. PRZEMYSL CHEM.,V.51,NO.1,P.44-46,1971 (POLISH)
	0151N	"APPLICATION OF A MONEL-PLATINUM DUAL-CATALYST SYSTEM TO AUTOMOTIVE EMISSION CONTROL" LUNT,R.S.,BERNSTEIN,L.S.,HANSEL,J.G.,HOLT,E.L. PREPRINT, SOCIETY OF AUTOMOTIVE ENGINEERS,INC.,NEW YORK,16P.,1972
	0152N	"REDUCTION SPEED (BY CARBON MONOXIDE AND HYDROCARBONS) OF NITROGEN OXIDES; EXAMINATIONS USING COPPER COPRECIPITATION CATALYSTS" KASAOKA,T.,TSUMAKI,N.,KITAMURA,J. PREPRINT, JAPAN SOCIETY OF CHEMICAL ENGINEERING,TOKYO,P.74-76,1972 (JAPANESE)
	0153N	"THERMAL AND CATALYTIC WASTE GAS CLEANING INCLUDING THE WET NITROGEN OXIDE PROCEDURES" BRAND,H. CHEM. TECH. (BERLIN),V.1,NO.5,P.224-225,MAY 1972 (GERMAN)
	0154N	"CATALYTIC REMOVAL OF NOX IN GASES" INOUE,T. NENRYO KYOKAISHI (J. FUEL SOC. JAPAN, TOKYO),V.51,NO.1,P.19-24,JAN. 1972 (JAPANESE)

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0157N	"RAPID, CONTINUOUS CONVERSION OF NO TO N2 PLUS H2O" ALEI,M. LOS ALAMOS SCIENTIFIC LAB.,N. MEX.,REPT. LA-4904,UC-4,5P.,APR. 1972
	0158N	"INTERACTION OF NITRIC OXIDE WITH GRAPHITE" EDWARDS,H.W. PREPRINT, AMERICAN INST. OF CHEMICAL ENG.,NEW YORK,44P.,1971,FROM 64TH MEETING,PAPER 28D
	0160N	"THE CONVERSION CATALYSTS OF AUTOMOTIVE EXHAUST GAS" YOSHITOMI,S.,KASHIYAE,M. NENRYO KYOKAISHI (J. FUEL SOC. JAPAN, TOKYO),V.51,NO.541,P.274-280,MAY 1972 (JAPANESE)
	0161N	"CATALYTIC REDUCTION OF 50 - 5000 PARTS-PER-MILLION NITRIC OXIDE BY CARBON MONOXIDE" FORCE,E.L.,AYEN,R.J. PREPRINT, CALIF. UNIV., BERKELEY,DEPT. OF CHEMICAL ENGIN. AND STAUFFER CHEMICAL CO.,RICHMOND,CA.,65P.,1972
	0162N	"KINETIC STUDIES OF THE N2O-CO REACTION CATALYZED BY CHROMIUM-PROMOTED IRON OXIDE" LEECH,C.A.,PETERS,M.S. PREPRINT, AMERICAN INST. OF CHEMICAL ENGINEERS,NEW YORK,15P.,1971,FROM 64TH MEETING
	0163N	"INVESTIGATION OF THE KINETICS OF THE NITRIC OXIDE CATALYTIC REDUCTION BY AMMONIA IN THE PRESENCE OF OXYGEN" ATROSHCHENKO,V.I.,KULISH,O.N.,BYLINKIN,V.N. KHIM. TEKHNOL.,NO. 4,P.60-62,1971 (RUSSIAN)

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0164N	"CATALYTIC REDUCTION OF WASTE NITROGEN OXIDES" JAROS,S.,KRIZEK,J. CHEM. PRUMYSL (PRAGUE),17/42(11),P.581-586,1967 (CZECH.)
	0165N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM WASTE GASES ON NICKEL CATALYSTS" TIKHONENKO,A.D.,NABIYEV,M.N.,IBRAGIMOV,Y.I. UZBEKSK. KHIM. ZH.,NO. 4,P.6-8,1970 (RUSSIAN)
	0166N	"OXIDATION-REDUCTION CATALYSIS" ROTH,J.F.,DOERR,R.C. INDUSTRIAL ENGINEERING CHEMISTRY,V.53,NO.4,P.293-296,APR. 19 61
	0167N	"THE OXIDATION OF CO BY O2 AND BY NO ON SUPPORTED CHROMIUM OXIDE AND OTHER METAL OXIDE CATALYSTS" SHELEF,M.,OTTO,K.,GANDHI,H. JOURNAL OF CATALYSIS,V.12,NO.4,P.361-375,1968
	0168N	"CATALYSIS AND THE CONTROL OF OXIDES OF NITROGEN" ROMEO,P.L. PREPRINT, PUBLIC HEALTH SERVICE, NAPCA, AND MUCOM,28P.,1970
	0169N	"THE APPLICATION OF COPPER-SILICA CATALYST FOR THE REMOVAL OF NITROGEN OXIDES PRESENT IN LOW CONCENTRATIONS BY CHEMICAL REDUCTION WITH CARBON MONOXIDE OR HYDROGEN" SOURIRAJAN,S.,BLUMENTHAL,J.L. INTERNATIONAL JOURNAL OF AIR WATER POLLUTION (LONDON),V.5,NO .1,P.24-33,1961

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0171N	"CATALYTIC PURIFICATION OF COMBUSTION GASES" HISADA,S. GER. PATENT 2,119,897,NOV. 18,1971,11P. (GERMAN)
	0172N	"MITSUBISHI STATUS REPORT ON LOW EMISSION CONCEPT VEHICLES" KANEKO,Y.,KIYOTA,Y. S.A.E. SPEC. PUB.,NO.370;1-12,MAY 1972 (PRESENTED AT THE NAT IONAL AUTOMOBILE ENGINEERING MEETING,DETROIT,MAY 22-26,1972,
	0173N	"FIAT STATUS REPORT ON LOW EMISSION CONCEPT VEHICLES" POLLONE,C. S.A.E. PUB.,NO.370;1-16,MAY 1972 (PRESENTED AT THE NATIONAL AUTOMOBILE ENGINEERING MEETING,DETROIT,MAY 22-26,1972,PAPER
	0174N	"CATALYSTS FOR AUTO EXHAUST EMISSION CONTROL" YAMAKI,N.,TSUCHIMOTO,K. UNION OF JAPANESE SCIENTISTS AND ENGINEERS,PROC. INT. SYMP. AIR POLLUT.,TOKYO,JAPAN,1972,P.643-656 (JAPANESE)
	0175N	"THE INFLUENCE OF OXYGEN ON THE CATALYTIC REDUCTION OF NITRIC OXIDE BY AMMONIA" MARKVART,M.,POUR,V. J. CATALYSIS,7,P.279-281,1967
	0176N	"CATALYTIC REMOVAL OF NITROGEN OXIDES, CARBON MONOXIDE AND HYDROCARBONS FROM COMBUSTION EXHAUST STREAMS" TAYLOR,F.R. FRANKLIN INSTITUTE LABORATORIES,PHILADELPHIA,PA.,1959,18P.
	0177N	"AMMONIA FORMATION IN CATALYTIC REDUCTION OF NITRIC OXIDE BY MOLECULAR HYDROGEN" SHELEF,M.,GANDHI,H.S. I AND EC PRODUCT RESEARCH AND DEVELOPMENT,V. 11,DEC. 1972,P. 393-396

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0178N	"SYSTEMS STUDY OF NITROGEN OXIDE CONTROL METHODS FOR STATIONARY SOURCES" BARTOK,W.,ET AL. ESSO RESEARCH AND ENGINEERING CO.,FINAL RPT.,V. 2,NO. GR-2-M PS-69,NOV. 20,1969 (PB 192-789)
	0179N	"THE CATALYTIC REDUCTION OF NITRIC OXIDE IN AUTOMOBILE EXHAUST GASES - I. TESTS OF IRON-CONTAINING MATERIALS" JENKINS,D.R.,VOISEY,M.A. ATMOSPHERIC ENVIRONMENT,V. 7,1973,P.177-186
	0182N	"POLLUTION FROM NITRIC ACID PLANTS; PURIFICATION OF TAIL GAS USING PLATINUM CATALYSTS" SEARLES,R.A. PLATINUM MET. REV.,V.17,NO.2,APR. 1973,P.57-63
	0183N	"REDUCTION CATALYST FOR NITRIC OXIDE IN EXHAUST AND FLUE GASES" STENZEL,J.,HARNISCH,H.,KNAPSACK,A.G. GER. OFFEN. 2165550 (B 01J),JULY 5,1973,12P.
	0184N	"REDUCTION OF NITROGEN OXIDE IN EXHAUST AND WASTE GASES" STENZEL,J.,KNAPSACK,A.G. GER. OFFEN. 2165548 (B 01D),JULY 5,1973,15P.
	0185N	"SIMULTANEOUS CATALYTIC REDUCTION OF NITRIC OXIDE AND SULFUR DIOXIDE BY CARBON MONOXIDE" QUINLAN,C.W.,OKAY,V.C.,KITTRELL,J.R. IND. ING. CHEM. PROCESS DES. DEVELOP.,V. 12,NO.3,1973,P.359-365

KEYWORD	ACC NO	TITLF
CATALYT-REDXN	0186N	"NO(X) ABATEMENT TECHNOLOGY IN JAPAN" ANDO,J.,TOHATA,H. FACULTY OF SCIENCE AND ENGINEERING REPORT,CHUO UNIV.,KASUGA, BUNKYO-KU,TOKYO,MAY 1973
	0188N	"REMOVING OXIDES OF NITROGEN PRESENT IN GASFS PRODUCED FROM COAL, COKE, OR OILS AS RAW MATERIALS BY A CATALYTIC HYDROGENATION" OHKI,T.,SATOSHI,A.,TOYAMA,A.,HASEBA,S. JAPAN. 73 01801 (C 10K, B 01J, C 01B),JAN. 20,1973,3P.
	0189N	"REMOVAL OF NITROGEN OXIDES" ENDU,A.,TAKEYAMA,T.,SHODA,K. JAPAN. 72 50982 (B 01J),DEC. 21,1972,3P.
	0191N	"AMMONIA FORMATION IN THE NITRIC OXIDE-METHANF REACTION" VARTULI,J.C.,GONZALEZ,R.D. IND. ENG. CHEM. PROD. RES. DEVELOP.,V. 12,NO. 3,1973,P.171-1 75
	0192N	"REDUCING NITROGEN COMPOUND CONTENT IN EXHAUST GAS" GANDHI,H.,SHELEF,M. FR. 2151322 (F 01N),MAY 18,1973,8P.
	0193N	"CATALYSTS FOR FXHAUST GAS TREATMENT" OKUYAMA,T.,SANO,M.,MANABE,S.,IWABUCHI,H. GER. OFFEN. 2252402 (B 01J, F 01N),MAY 30,1973,36P.
	0195N	"CATALYTIC PURIFICATION OF WASTE GASES FROM NITRIC ACID MANUFACTURE" COLLINS,M.F.,MICHALEK,R. GER. OFFEN. 2255732 (C 01B),MAY 24,1973,16P.

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0196N	"ISOCYANATE INTERMEDIATES IN THE REACTION NO-CO OVER A PT/AL2O3 CATALYST" UNLAND,M.L. JOURNAL OF PHYSICAL CHEMISTRY,V. 77,NO. 16, 1973,P.1952-1956
	0197N	"THE CATALYTIC REDUCTION OF NITRIC OXIDE OVER SUPPORTED RUTHENIUM CATALYSTS" TAYLOR,K.,KLIMISCH,R.L. JOURNAL OF CATALYSIS,V. 30,NO. 3,1973,P.478-484
	0200N	"REDUCTION OF NITROGEN OXIDE IN EXHAUST GAS FROM INTERNAL COMBUSTION ENGINES" HORIE,K.,YAMAUCHI,S.,HARA,J.,OHHARA,T. JAPAN. KOKAI 73 42989,JUNE 21,1973,6P.
	0201N	"CATALYSTS FOR THE REDUCTION OF NITROGEN OXIDES" GERHARD,M.,SIEPMANN,R.,KUMMER,F. GER. OFFEN. 2151958 (B 01J),APR. 26,1973,10P.
	0202N	"CATALYST FOR REDUCING NITROGEN OXIDES" KOORI,Y.,OKAMOTO,O.,KAWAKAMI,A.,WATANABE,S. JAPAN. KOKAI 73 28391 (13(9)G11),APR. 14,1973,3P.
	0203N	"THE ADSORPTION OF NITRIC OXIDE ON PLATINUM BLACK" OTTO,K.,SHELEF,M. JOURNAL OF CATALYSIS,V. 29,1973,P.138-145
	0204N	"THE ADSORPTION OF NITRIC OXIDE ON COPPER OXIDES" GANDHI,H.S.,SHELEF,M. JOURNAL OF CATALYSIS,V. 28,1973,P.1-7

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0207N	"ADSORPTIVITIES AND REACTIVITIES OF LOWER HYDROCARBONS DURING OXIDATION ON A SILVER CATALYST BY NITRIC OXIDE" BELOUSOV,V.M.,MULIK,I.Y.,RUBANIK,M.Y. TRANSLATED FROM KINETIKA I KATALIZ.V. 10.NO. 4.JULY-AUG. 196 9,P.841-846
	0208N	"REACTION OF NITRIC OXIDE WITH HYDROGEN ON PLATINUM WHICH HAS BEEN PURIFIED UNDER SUPER-HIGH VACUUM" TRETYAKOV,I.I.,KORCHAK,V.N.,SHUB,B.R. TRANSLATED FROM KINETIKA KATALIZ,V. 13,NO.2,MAR.-APR. 1972,P .512-514
	0209N	"HNO AS AN INTERMEDIATE IN THE CATALYTIC REDUCTION OF NITRIC OXIDE" GONZALEZ,R.D.,AUDETTE,D.E. JOURNAL OF CATALYSIS,V. 17,NO.1,1970,P.116-118
	0210N	"CATALYTIC TREATMENT OF NITRIC ACID PLANT TAIL GAS" ANDERSEN,H.C.,GREEN,W.J.,STEELE,D.R. INDUSTRIAL AND ENGINEERING CHEMISTRY,V. 53,NO. 3,MAR. 1961,P .199-204
	0211N	"STUDIES OF SURFACE REACTIONS BY NITROGEN - 15 ISOTOPE LABELING I. THE REACTION BETWEEN NITRIC OXIDE AND AMMONIA OVER SUPPORTED PLATINUM" OTTO,K.,SHELEF,M.,KUMMER,J.T. J. PHYS. CHEM.,74(13); 2690-2698,1970
	0212N	"STUDIES OF SURFACE REACTIONS OF NITRIC OXIDE BY ISOTOPE LABELING. IV, REDUCTION OF NITRIC OXIDE BY AMMONIA AND HYDROGEN OVER SUPPORTED RUTHENIUM" OTTO,K.,SHELEF,M. J. PHYS. CHEM.,85(5-6),308-322,1973

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0213N	"DRY CATALYTIC REDUCING REACTION FOR NITROGEN OXIDES" KASAOKA,N.,MOTOO,K.,SETSUO,I. PREPRINT,JAPAN SOCIETY OF CHEMICAL ENGINEERING, TOKYO, P. 25 -27, 1973
	0214N	"METHOD OF NITROGEN OXIDES REMOVAL" ENDO,A.,TETSU,T.,KEIZO,M. JAPAN, PAT. SHO 47-50982, 3P., DEC. 21,1972
	0215N	"METHOD FOR REMOVING NITROGEN OXIDES FROM WASTE GASES" ENDO,A.,TETSU,T.,KEIZO,M. JAPAN PAT. SHO 47-50981, 3P., DEC. 21, 1972
	0216N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,RAKOWSKY,F.W.,HIRSCHBERG,E.H.,LANG,C.R.,SCHOC SOC. AUTOMOT. ENGRS., SPEC. PUB. NO. 370, 24P., MAY 1972
	0217N	"EXPERIMENTS FOR THE PRODUCTION OF INERT GAS FROM THE WASTE GASES OF A NITRIC ACID PLANT" PORZEL,W.,WOLFGANG,K. CHEM. TECH., 23(9): 537-539, SEPT. 1971
	0218N	"CONTACT TYPE REMOVAL METHOD FOR NO CONTAINED IN GAS MANUFACTURED FROM COAL, COKE, OR OIL" OKI,T.,TETSU,A.,AKIRA,T.,SHIGERU,H. JAPAN PAT. SHO 46-18383, 4P., MAY 22, 1971
	0220N	"POWER AND INDUSTRY; CONTROL OF NITROGEN OXIDE EMISSIONS" PERRINE,R.L.,LIMIN,H. PROJECT CLEAN AIR, CALIF. UNIV. BERKELEY, TASK FORCE 5, 1(9) , SEPT. 1970

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0221N	"UTILIZATION OF TIED NITROGEN DURING CATALYTIC REDUCTION OF NITROGEN OXIDE" JAROS,S.,KRIZEK,J.,SEBEK,J. CZECH. PAT. 124669, OCT. 15, 1967
	0222N	"METHOD OF REMOVING SULFUR DIOXIDE AND NITROGEN OXIDES FROM GASES" RYASON,P.R. U.S. PAT. 3,454,355, JULY 8, 1969
	0223N	"CATALYTIC ACTIVITY OF SPINELS AND THEIR OXIDE CONTENT IN THE REACTION OF NITRIC OXIDE WITH CARBON MONOXIDE" VLADENKI,V.M.,YUZEFOVICH,G.E.,NEPIYUSHCHAYA,R.P. INST. FIZ. KHIM. IM. PISARZHEVSKOGO, KIEV, USSR, KATAL. KATAL. (KAKAA), NO. 10, 81-5, 1973
	0224N	"CATALYTIC CHEMISTRY OF NITRIC OXIDE. I. EFFECT OF WATER ON THE REDUCTION OF NITRIC OXIDE OVER SUPPORTED CHROMIUM AND IRON OXIDES" KOBYLINSKI,T.P.,TAYLOR,B.W. J. CATAL., 31(3), 450-458, 1973
	0227N	"CATALYST FOR WASTE GAS TREATMENT" HOSODA,H.,KAWAKAMI,A.,OKAMOTO,O.,MIYAMOTO,A. JAPAN. KOKAI 73 55190 (13(9)G11), AUG. 2, 1973
	0228N	"CATALYST FOR REMOVING NITROGEN OXIDES" HASEGA,O.,YOKOTA,S. JAPAN. KOKAI 73 55890 (13(9)G11), AUG. 6, 1973

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0229N	"COPPER-IRON-NICKEL ALLOY CATALYSTS FOR REMOVAL OF NITRIC OXIDE FROM AUTOMOTIVE EXHAUST GASES" NIIMI,I.,MORITA,A.,MENOTO,Y.,SATO,M. GER. OFFEN. 2306785 (C 22C), AUG. 23, 1973
	0242N	"SELECTIVE REMOVAL OF NITROGEN OXIDES FROM OXYGEN-CONTAINING GASES ESPECIALLY FROM NITRIC ACID PRODUCTI COHN,J.,STEELE,D.R.,ANDERSEN,H.C. U.S. 2,975,025,NOV. 5, 1971
	0247N	"SECONDARY ION EMISSION STUDY OF THE CATALYTIC REACTIONS BETWEEN AMMONIA AND NITROUS OXIDE AND THE DECOMPOSITION OF NITROUS OXIDE ON PLATINUM" FOGEL,Y,M,NADYKTO,P.T.,SHVACHKO,V.I.,RYBALKO,V.F.,KOROBEHANS KINETIKA I KATALIZ, 5(5); 942-944, 1964
	0248N	"CATALYTIC REDUCTION OF NOX - PILOT PLANT OPERATION" ENVIRONICS INC. ENVIRONICS INC., HUNTINGTON BEACH, CA., PROGRESS REPORT, JULY 1973
	0251N	"STUDY OF CATALYTIC CONTROL OF EXHAUST EMISSIONS FOR OTTO CYCLE ENGINES" YOLLES,R.S.,WISE,H.,BERRIMAN,L.P. STANFORD RESEARCH INSITIUTE, FINAL REPORT, IRVINE, CA., APR. 1970
	0252N	"CATALYSTS FOR AUTOMOTIVE POLLUTION CONTROL DEVICES" NOBE,K.,BAUERLE,G.L. FINAL REPORT, SCHOOL OF ENGINEERING AND APPLIED SCIENCES, U.C.L.A., SEPT. 1973

KEYWORD	ACC NO	TITLE
CATALYT-REDXN	0253N	"NEW OXIDE CATALYST WITH PEROVSKITE-RELATED STRUCTURE FOR REDUCTION OF NO WITH NH3" KUDO,T.,MANABE,T.,GEJO,T.,SEKI,M.,YOSHIDA,K. PRESENTED AT 167TH MEETING OF AM. CHEM. SOC., DIV. OF WATER, AIR AND WASTE CHEM., LOS ANGELES,CA., APR. 1974
	0254N	"DEVELOPMENT OF A METHOD FOR THE ANALYSIS OF NO2 AND NH3 BY NO-MEASURING INSTRUMENTS" BREITENBACH,L.P.,SHELEF,M. J. OF THE AIR POLLUTION CONTROL ASSOC., 23(2): 128-131, 1973
	0256N	"NITRIC OXIDE REDUCTION WITH H2 ON MIXED METAL OXIDE CATALYSTS" BAUERLE,G.L.,NOBE,K. IN PRESS, 1974
	0257N	"REDUCTION OF NITRIC OXIDE WITH HYDROGEN ON COPPER-NICKEL AND NICKEL-CHROMIUM CATALYSTS" ORSINI,R.A.,TUNICK,S.A.,BAUERLE,G.L.,NOBE,K. U.C.L.A. REPORT UCLA-ENG-7402, JAN. 1976
	0258N	"AMMONIA FORMATION IN THE CATALYTIC REDUCTION OF NITRIC OXIDE. III. THE ROLE OF WATER GAS SHIFT, REDUCTION BY HYDROCARBONS AND STEAM REFORMING" SHELEF,M.,GANDHI,H.S. IND. ENG. CHEM., PROD. RES. DEVELOP., 13(1): 80-85, 1974
	0259N	"PROCESSING NITRIC ACID TAIL GAS" ADLHART,O.J.,HINDIN,S.G.,KENSON,R.E. CHEM. ENG. PROGRESS, 67(2), 73-78

KEYWORD	ACC NO	TITLE
CU-BASED-CATAL	0001N	"THE HETEROGENEOUS DECOMPOSITION OF NITRIC OXIDE ON SUPPORTED CATALYSTS" SHELEF,M.,OTTO,K.,GANDHI,H. ATMOSPHERIC ENVIRONMENT,V. 3,1969,P.107-122
	0002N	"THE CONTROL OF AUTOMOTIVE EMISSIONS WITH DUAL BED CATALYST SYSTEMS" BERNSTEIN,L.S.,RAMAN,A.K.,WIGG,E.E. PAPER PRESENTED TO 1971 TECHNICAL SESSION; ENGINES AND EMISSIONS,CENTRAL STATES SECTION,THE COMBUSTION INST.,MAR. 1971
	0004N	"CATALYTIC REDUCTION OF NITROGEN DIOXIDE WITH HYDROGEN" AYEN,R.J.,AMIRNAZMI,A. A.I.CH.E. CLEVELAND MEETING,MAY 1969,30P.
	0007N	"THE CATALYTIC DECOMPOSITION OF NITRIC OXIDE BY METALLIC OXIDES" WINTER,E.R.S. JOURNAL OF CATALYSTS,V.22,1971,P.158-170
	0009N	"APPERANCE OF N2O IN THE CATALYTIC REDUCTION OF NO BY CO" SHELEF,M.,OTTO,K. JOURNAL OF CATALYSTS,V.10,1968,P.408-413
	0013N	"AMMONIA INTERMEDIACY AS A BASIS FOR CATALYST SELECTION FOR NITRIC OXIDE REDUCTION" KLIMISCH,R.L.,TAYLOR,K.C. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.7,NO.2,FEB. 1972,P.127-131

KEYWORD	ACC NO	TITLE
CU-BASED-CATAL	0015N	"CATALYTIC REDUCTION OF WASTE NITROGEN OXIDES" MARKVART,M.,POUR,V. INTERNATIONAL CHEMICAL ENGINEERING,V.8,NO.2,APR. 1968,P.261-267
	0016N	"CATALYTIC REDUCTION OF NITRIC OXIDE WITH CARBON MONOXIDE" BAUERLE,G.L.,SERVICE,G.R.,NOBE,K. I AND EC PRODUCT RESEARCH AND DEVELOPMENT,V.11,NO.1,MAR. 1972,P.54-58
	0017N	"AMMON FORMATION IN CATALYTIC REDUCTION OF NITRIC OXIDE BY MOLECULAR HYDROGEN" SHELEF,M.,GANDHI,H.S. IND. ENG. CHEM. PROD. RES. DEVELOP.,V.11,NO.1.MAR. 1972,P.2-11
	0019N	"PREREDUCED CUPRIC OXIDE-COBALTIC OXIDE REDOX CATALYSTS" BAKER,R.A.,DOERR,R.C. U.S. PATENT 3,398,101,AUG. 20,1968,8P.
	0020N	"REDUCTION OF NITRIC OXIDE WITH ETHYLENE ON COPPER-SILICA CATALYST" SOTOODEHNIA-KORRANI,A.,NOBE,K. IND. ENG. CHEM. PROCESS DES. DEVELOP.,V.9,NO.3,JULY 1970,P.455-459
	0024N	"CATALYTIC DECOMPOSITION OF NITRIC OXIDE PRESENT IN LOW CONCENTRATIONS" SOURIRAJAN,S.,BLUMENTHAL,J.L. PROC. 2ND INT. CONGRESS CATALYSIS,PAPER 131,PARIS,1960

KEYWORD	ACC NO	TITLE
CU-BASED-CATAL	0025N	"TUNGSTEN BRONZES AND MIXED COBALT OXIDES AS POTENTIAL CATALYSTS FOR POLLUTION CONTROL" BAUERLE,G.L.,THOMAS,N.T.,NOBE,K. CHEMICAL ENGINEERING JOURNAL,V.4,1972,P.199-200
	0026N	"NITRIC OXIDE REDUCTION WITH CO AND C3 HYDROCARBON OXIDATION ON CU-AL2O3-EFFECT OF LEAD" SORENSEN,L.L.C.,NOBE,K. I AND EC PRODUCT RESEARCH AND DEVELOPMENT,V.11,NO.4,DEC. 197 2,P.423-425
	0027N	"CATALYTIC REDUCTION OF NITROGEN DIOXIDE BY CARBON MONOXIDE" AYEN,R.J.,YONEBAYASHI,T. ATMOSPHERIC ENVIRONMENT,V.1,1967,P.307-318
	0028N	"CATALYZED NITRIC OXIDE REDUCTION WITH CARBON MONOXIDE" BAKER,R.A.,DOERR,R.C. I AND EC PROCESS DESIGN AND DEVELOPMENT,V.4,NO.2,APR. 1965,P .188-190
	0029N	"CATALYTIC REDUCTION OF NITRIC OXIDE" AYEN,R.J.,PETERS,M.S. I AND EC PROCESS DESIGN AND DEVELOPMENT,V.1,NO.3,JULY 1962,P .204-207
	0030N	"STUDIES ON A NEW METHOD OF SIMULTANEOUSLY REMOVING SULFUR DIOXIDE AND OXIDES OF NITROGEN FROM COMBUSTION GASES" RYASON,P.R.,HARKINS,J. JOURNAL OF THE AIR POLLUTION CONTROL ASSOCIATION,V.17,NO.12, DEC. 1967,P.796-799

KEYWORD	ACC NO	TITLE
CU-BASED-CATAL	0031N	"CATALYST FOR COMPLETE REMOVAL OF OXIDES OF NITROGEN FROM AUTOMOBILE EXHAUST" KOSHIRO,I.,ET AL. SEIDEI DAIGAKU KOGAKUBU KAGAKU HOKOKU,V.7,1969,P.545-546(JAPAN)
	0032N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM EXHAUST GASES OF NITRIC ACID PLANTS" VAN DER DRIFT,J. CHEM. TECH,V24,NO.10,1969,P.301-305(NETH.)
	0034N	"EMISSION CONTROL DEVICE TAKES LEADED FUELS IN STRIDE" QUESTOR CORP. PRODUCT ENGINEERING,JAN. 1973,P.9-10
	0035N	"CATALYTIC REDUCTION OF NITROGEN OXIDES IN AUTOMOBILE EXHAUST" BAKER,R.A.,DOERR,R.C. JOURNAL OF AIR POLLUTION CONTROL ASSOCIATION,V.14,NO.10,OCT. 1964,P.409-414
	0039N	"PROCESS FOR CATALYTICALLY REDUCING NITROGEN OXIDES IN INDUSTRIAL STACK GASES" CHILDERS,E.,ELLIS,C.W.,RYAN,D.J. U.S. PATENT 2,910,343,OCT. 27,1959,7P.
	0044N	"NOVEL CATALYSTS AND CATALYST SUPPORTS FOR CONTROL OF NITROGEN OXIDES IN AUTOMOBILE" BALGORD,W.D.,WANG,K.K. PROCEEDINGS OF 2ND INTERNATIONAL CLEAN AIR CONGRESS,1970,P.818-826

KEYWORD	ACC NO	TITLE
CU-BASED-CATAL	0045N	"NITROGEN OXIDF; FORMATION, SUPPRESSION, AND CATALYTIC REDUCTION" MEGUERIAN,G.H. WATER AIR CONSERV. PFTROL. IND.,1971,P.21-21
	0052N	"ENGINE EXHAUST EMISSION CONTROL SYSTEM" TOURTELOTTE,J.F.,NEGRA,J.A.,ET AL. U.S. PATENT 3,699,683,OCT. 24,1972,3P.
	0057N	"PROCESS FOR CATALYTICALLY TREATING EXHAUST GASES" ROTH,J.F. U.S. PATENT 3,493,325,FEB. 3,1970,9P.
	0060N	"CATALYTIC CONVERSION OF EXHAUST GAS IMPURITIFS" KEARBY,K.K. U.S. PATENT 3,565,574,FEB. 23,1971,8P.
	0062N	"CATALYST FOR PURIFICATION OF EXHAUST GASES FROM MOTOR VEHICLES AND INDUSTRIAL PLANTS" KOBERSTEIN,E.,LAKATOS,E. U.S. PATENT 3,669,906,JUNE 13,1972,8P.
	0069N	"CATALYTIC DECOMPOSITION OF NITROGEN DIOXIDF" NOBE,K.,WIKSTROM,L.L. PREPRINT,AM. CHEM. SOC.,PITTSBURGH,DOV. WATFR.AIR WASTE CHEM.,P.268-273,1963
	0080N	"CATALYTIC COMBUSTION OF ATMOSPHERIC CONTAMINANTS OVER HOPCALITE" CHRISTIAN,J.G.,JOHNSON,J.E. INTERNATIONAL JOURNAL AIR WATER POLLUTION 9, (1/2) 1-10,FEB. 1965

KEYWORD	ACC NO	TITLE
CU-BASED-CATAL	0093N	"CATALYTIC REDUCTION OF NITRIC OXIDF" SHELEF,M. PROC.,FIRST NATL. SYMP. ON HETEROGFNEOUS CATALYSIS FOR CONTR OL OF AIR POLLUTION,PHILADELPHIA,NOV. 1968,P.87-112
	0113N	"CATALYTIC REDUCTION OF NITRIC OXIDE WITH VARIOUS HYDROCARBONS" AULT,J.W.,AYEN,R.J. JOURNAL OF AM. INST. CHEM. ENGRS.,V.17,NO.2,P.265-271,MAR. 1 971
	0115N	"DESIGN, CONSTRUCTION AND TESTING OF CATALYTIC AFTERBURNERS FOR REMOVAL OF AIR POLLUTANTS FORMED IN AUTOMOTIVE AND STATIONARY COMBUSTION PROCESSES" BAUERLE,G.L.,NOBF,K. IN PROJECT CLEAN AIR,V.1,U.C.L.A. SCHOOL OF ENGINEFRING,RESE ARCH PROJ. S-2,46P.,SEP. 1,1970
	0117N	"BENCH SCALE INVESTIGATION OF INCRA CATALYST FOR THE TREATMENT OF NITRIC ACID MANUFACTURING PLANT ATMOSPHERIC EMI CHEMICAL CONSTRUCTION CORP. CHEMICAL CONSTRUCTION CORP.,NEW YORK,CONSULTING DIV.,FINAL R EPT. 0053C,87P.,MAR. 1969
	0121N	"CATALYSTS FOR PURIFICATION OF AUTOMOBILE EXHAUST GAS; (II),CONTACT REDUCTION BY CO AND C3H8 OF NO" NAKAJIMA,F.,TAKFUCHI,M. PREPRINT, JAPAN CHEMICAL SOCIETY,TOLYO,1P.,1971 (JAPANESE)
	0128N	"CATALYTIC REDUCTION OF NITRIC OXIDF WITH PROPYLENE" CHIEN,M.W.,NOBE,K. PREPRINT, AMERICAN CHEMICAL SOCIETY,WASHINGTON,DIV. OF WATER ,AIR,AND WASTE CHEMISTRY,5P.,1971

KEYWORD	ACC NO	TITLE
CU-BASED-CATAL	0129N	"THE EFFECT OF LEAD ON THE CATALYTIC REDUCTION OF NITRIC OXIDE WITH CARBON MONOXIDE ON CU-AI 203" SORENSEN,L.,L.,NOBE,K. PREPRINT, AMERICAN CHEMICAL SOCIETY,WASHINGTON,DIV. OF WATER ,AIR,AND WASTE CHEMISTRY,5P.,1971
	0132N	"CATALYTIC REDUCTION OF OXIDES OF NITROGEN (FINAL REPT.)" PETERSEN,E.E.,BELL,A.T. UNIV. OF CALIF.,BERKELEY,DEPT. OF CHEMICAL ENGINEERING,GRANT AP-00387,6P.,1970
	0139N	"DRY TYPE SMOKE DESULFURIZATION TECHNIQUE USING METAL OXIDE CATALYST" INAGAKI,K. KOGAI (HAKUA SHOBO),V.7,NO.1,P.21-26,JAN. 1972 (JAPANESE)
	0140N	"CATALYTIC CONTROL OF NOX EMISSIONS FROM MOBILE SOURCES (FINAL REPORT)" SEEGALL,M.I.,NAPIER,J.C.,COMPTON,W.A. INTERNATIONAL HARVESTER CO.,SAN DIEGO,CA.,RESEARCH LABS.,REPT. RDR 1700,143P.,DEC. 1971
	0145N	"AUTOMOTIVE EXHAUST GAS PURIFICATION CATALYST" TODO,M. SEKIYU TO SEKIYU KAGAKU (PETROL. PETROCHEM.),V.15,NO.7,P.103-108,1971 (JAPANESE)
	0148N	"CHEMISTRY OF CATALYTIC NITROGEN OXIDE REDUCTION IN AUTOMOTIVE EXHAUST GAS" KLIMISCH,R.L.,BARNES,G.J. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.6,NO.6,P.543-548,JUNE 1972

KEYWORD	ACC NO	TITLE
CU-BASED-CATAL	0151N	"APPLICATION OF A MONEL-PLATINUM DUAL-CATALYST SYSTEM TO AUTOMOTIVE EMISSION CONTROL" LUNT,R.S.,BERNSTEIN,L.S.,HANSEL,J.G.,HOLT,E.L. PREPRINT, SOCIETY OF AUTOMOTIVE ENGINEERS,INC.,NEW YORK,16P.,1972
	0152N	"REDUCTION SPEED (BY CARBON MONOXIDE AND HYDROCARBONS) OF NITROGEN OXIDES; EXAMINATIONS USING COPPER COPRECIPITATION CATALYSTS" KASAOKA,T.,TSUMAKI,N.,KITAMURA,J. PREPRINT, JAPAN SOCIETY OF CHEMICAL ENGINEERING,TOKYO,P.74-76,1972 (JAPANESE)
	0161N	"CATALYTIC REDUCTION OF 50 - 5000 PARTS-PER-MILLION NITRIC OXIDE BY CARBON MONOXIDE" FORCE,E.L.,AYEN,R.J. PREPRINT, CALIF. UNIV., BERKELEY,DEPT. OF CHEMICAL ENGIN. AND STAUFFER CHEMICAL CO.,RICHMOND,CA.,65P.,1972
	0166N	"OXIDATION-REDUCTION CATALYSIS" ROTH,J.F.,DOERR,R.C. INDUSTRIAL ENGINEERING CHEMISTRY,V.53,NO.4,P.293-296,APR. 1961
	0169N	"THE APPLICATION OF COPPER-SILICA CATALYST FOR THE REMOVAL OF NITROGEN OXIDES PRESENT IN LOW CONCENTRATIONS BY CHEMICAL REDUCTION WITH CARBON MONOXIDE OR HYDROGEN" SOURIRAJAN,S.,BLUMENTHAL,J.L. INTERNATIONAL JOURNAL OF AIR WATER POLLUTION (LONDON),V.5,NO.1,P.24-33,1961

KEYWORD	ACC NO	TITLE
CU-BASED-CATAL	0170N	"REMOVAL OF AMMONIA FROM GAS" MERKEL,H. W. GER. PATENT APPL. 2,026,657,JUNE 1,1970,10P.
	0174N	"CATALYSTS FOR AUTO EXHAUST EMISSION CONTROL" YAMAKI,N.,TSUCHIMOTO,K. UNION OF JAPANESE SCIENTISTS AND ENGINEERS,PROC. INT. SYMP. AIR POLLUT.,TOKYO,JAPAN,1972,P.643-656 (JAPANESE)
	0178N	"SYSTEMS STUDY OF NITROGEN OXIDE CONTROL METHODS FOR STATIONARY SOURCES" BARTOK,W.,ET AL. ESSO RESEARCH AND ENGINEERING CO.,FINAL RPT.,V. 2,NO. GR-2-MPS-69,NOV. 20,1969 (PB 192-789)
	0180N	"OXYGEN INHIBITION IN THE DECOMPOSITION OF NO ON METAL OXIDES AND PLATINUM" AMIRNAZMI,A.,BENSON,J.E.,BOUDART,M. JOURNAL OF CATALYSIS,30,1973,P.55-65
	0183N	"REDUCTION CATALYST FOR NITRIC OXIDE IN EXHAUST AND FLUE GASES" STENZEL,J.,HARNISCH,H.,KNAPSACK,A.G. GER. OFFEN. 2165550 (B 01J),JULY 5,1973,12P.
	0184N	"REDUCTION OF NITROGEN OXIDE IN EXHAUST AND WASTE GASES" STENZEL,J.,KNAPSACK,A.G. GER. OFFEN. 2165548 (B 01D),JULY 5,1973,15P.
	0185N	"SIMULTANEOUS CATALYTIC REDUCTION OF NITRIC OXIDE AND SULFUR DIOXIDE BY CARBON MONOXIDE" QUINLAN,C.W.,OKAY,V.C.,KITTRELL,J.R. IND. ING. CHEM. PROCESS DES. DEVELOP.,V. 12,NO.3,1973,P.359-365

KEYWORD	ACC NO	TITLE
CU-BASED-CATAL	0192N	"REDUCING NITROGEN COMPOUND CONTENT IN EXHAUST GAS" GANDHI,H.,SHELEF,M. FR. 2151322 (F 01N),MAY 18,1973,8P.
	0193N	"CATALYSTS FOR EXHAUST GAS TREATMENT" OKUYAMA,T.,SANO,M.,MANABE,S.,IWABUCHI,H. GER. OFFEN. 2252402 (B 01J, F 01N),MAY 30,1973,36P.
	0200N	"REDUCTION OF NITROGEN OXIDE IN EXHAUST GAS FROM INTERNAL COMBUSTION ENGINES" HORIE,K.,YAMAUCHI,S.,HARA,J.,OHHARA,T. JAPAN. KOKAI 73 42989,JUNE 21,1973,6P.
	0204N	"THE ADSORPTION OF NITRIC OXIDE ON COPPER OXIDES" GANDHI,H.S.,SHELEF,M. JOURNAL OF CATALYSIS,V. 28,1973,P.1-7
	0205N	"A LOW TEMPERATURE CATALYTIC APPROACH TO NO(X) CONTROL" LAWSON,A. JOURNAL OF CATALYSIS,24,1972,P.297-305
	0206N	"CATALYTIC PROPERTIES OF METAL OXIDES OF PERIOD VI OF THE PERIODIC SYSTEM WITH RESPECT TO OXIDATION REACTIONS" YUREVA,T.M.,POPOVSKII,V.V.,BORESKOV,G.K. TRANSLATED FROM KINETIKA I KATALIZ,V. 6,NO. 6,NOV.-DEC. 1965 ,P.1041-1045
	0213N	"DRY CATALYTIC REDUCING REACTION FOR NITROGEN OXIDES" KASAOKA,N.,MOTOO,K.,SETSUO,I. PREPRINT,JAPAN SOCIETY OF CHEMICAL ENGINEERING, TOKYO, P. 25 -27, 1973

KEYWORD	ACC NO	TITLE
CU-BASED-CATAL	0215N	"METHOD FOR REMOVING NITROGEN OXIDES FROM WASTE GASES" ENDO,A.,TETSU,T.,KEIZO,M. JAPAN PAT. SHO 47-50981, 3P., DEC. 21, 1972
	0222N	"METHOD OF REMOVING SULFUR DIOXIDE AND NITROGEN OXIDES FROM GASES" RYASON,P.R. U.S. PAT. 3,454,355, JULY 8, 1969
	0223N	"CATALYTIC ACTIVITY OF SPINELS AND THEIR OXIDE CONTENT IN THE REACTION OF NITRIC OXIDE WITH CARBON MONOXIDE" VLADENKI,V.M.,YUZEFOVICH,G.E.,NEPIYUSHCHAYA,R.P. INST. FIZ. KHIM. IM. PISARZHEVSKOGO, KIEV, USSR, KATAL. KATAL, (KAKAA), NO. 10, 81-5, 1973
	0228N	"CATALYST FOR REMOVING NITROGEN OXIDES" HASEGA,O.,YOKOTA,S. JAPAN. KOKAI 73 55890 (13(9)G11), AUG. 6, 1973
	0229N	"COPPER-IRON-NICKEL ALLOY CATALYSTS FOR REMOVAL OF NITRIC OXIDE FROM AUTOMOTIVE EXHAUST GASES" NIIMI,I.,MORITA,A.,MENOTO,Y.,SATO,M. GER. OFFEN. 2306785 (C 22C), AUG. 23, 1973
	0230N	"CHROMIUM OXIDE-IRON OXIDE-NICKEL OXIDE CATALYSTS FOR TREATMENT OF AUTOMOTIVE EXHAUST GASES" OKUYAMA,T.,SANO,M.,MINE,J. GER. OFFEN. 2308789 (B01J), AUG. 30,1973
	0232N	"STABILITY OF NITRIC OXIDE OVER A LONG TIME INTERVAL" HOWARD,C.S.,DANIELS,G. J. PHYS. CHEM., 62(3); 360-1, 1958

CATALYTIC NOX
CONTROL PROGRAM
KEYWORD INDEX
30 APR 74

KEYWORD	ACC NO	TITLE
CU-BASED-CATAL	0240N	"CATALYTIC DECOMPOSITION OF NITRIC OXIDE" RIESZ,C.H.,MORRITZ,F.L.,FRANSON,K.D. AIR POLLUTION FOUNDATION REPORT, NO. 20, 22P., 1957
	0243N	"FORMS OF OXYGEN BONDS ON THE SURFACE OF OXIDATION CATALYSTS" BORESKOV,G.K. DISC. FARADAY SOC., 41; 263, 1966
	0246N	"ANALYSIS OF THE PRE-EXPONENTIAL FACTOR FOR THE HETEROGENEOUS CATALYTIC DECOMPOSITION OF NITRIC OXIDE" GODOLETS,G.I. KINETIKA I KATALIZ, 6(6); 1123-1124, 1965
	0252N	"CATALYSTS FOR AUTOMOTIVE POLLUTION CONTROL DEVICES" NOBE,K.,BAUERLE,G.L. FINAL REPORT, SCHOOL OF ENGINEERING AND APPLIED SCIENCES, U.C.L.A., SEPT. 1973
	0253N	"NEW OXIDE CATALYST WITH PEROVSKITE-RELATED STRUCTURE FOR REDUCTION OF NO WITH NH3" KUDO,T.,MANABE,T.,GEJO,T.,SEKI,M.,YOSHIDA,K. PRESENTED AT 167TH MEETING OF AM. CHEM. SOC., DIV. OF WATER, AIR AND WASTE CHEM., LOS ANGELES,CA., APR. 1974
	0255N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,RADOWSKY,F.W.,HERSCHBERG,E.H.,LANG,C.R.,SCHOC S.A.E. PAPER 720480, MAY 1972
	0256N	"NITRIC OXIDE REDUCTION WITH H2 ON MIXED METAL OXIDE CATALYSTS" BAUERLE,G.L.,NOBE,K. IN PRESS, 1974

KEYWORD	ACC NO	TITLE
CU-BASED-CATAL	0257N	"REDUCTION OF NITRIC OXIDE WITH HYDROGEN ON COPPER-NICKEL AND NICKEL-CHROMIUM CATALYSTS" ORSINI,R.A.,TUNICK,S.A.,BAUERLE,G.L.,NOBE,K. U.C.L.A. REPORT UCLA-ENG-7402, JAN. 1976
	0258N	"AMMONIA FORMATION IN THE CATALYTIC REDUCTION OF NITRIC OXIDE. III. THE ROLE OF WATER GAS SHIFT, REDUCTION BY HYDROCARBONS AND STEAM REFORMING" SHELEF,M.,GANDHI,H.S. IND. ENG. CHEM., PROD. RES. DEVELOP., 13(1); 80-85, 1974
FLUE-GAS-CONTR	0002N	"THE CONTROL OF AUTOMOTIVE EMISSIONS WITH DUAL BED CATALYST SYSTEMS" BERNSTEIN,L.S.,RAMAN,A.K.,WIGG,E.E. PAPER PRESENTED TO 1971 TECHNICAL SESSION; ENGINES AND EMISSIONS,CENTRAL STATES SECTION,THE COMBUSTION INST.,MAR. 1971
	0003N	"EFFECT OF CATALYTIC CONVERTERS ON AUTOMOTIVE AMMONIA EMISSIONS" HUNTER,J.E. PAPER PRESENTED AT CENTRAL STATES SECTION,COMBUSTION INSTITUTE,ANN ARBOR,MICH.,MAR. 1971,GMR-1061,12P.
	0030N	"STUDIES ON A NEW METHOD OF SIMULTANEOUSLY REMOVING SULFUR DIOXIDE AND OXIDES OF NITROGEN FROM COMBUSTION GASES" RYASON,P.R.,HARKINS,J. JOURNAL OF THE AIR POLLUTION CONTROL ASSOCIATION,V.17,NO.12,DEC. 1967,P.796-799
	0033N	"INCREASING RELIABILITY OF PLATINUM CATALYST SYSTEMS" MATTHEY BISHOP INC. AUTOMOTIVE ENGINEERING,V.80,NO.12,DEC. 1972,P.11

KEYWORD	ACC NO	TITLE
FLUE-GAS-CONTR	0034N	"EMISSION CONTROL DEVICE TAKES LEADED FUELS IN STRIDE" QUESTOR CORP. PRODUCT ENGINEERING,JAN. 1973,P.9-10
	0035N	"CATALYTIC REDUCTION OF NITROGEN OXIDES IN AUTOMOBILE EXHAUST" BAKER,R.A.,DOERR,R.C. JOURNAL OF AIR POLLUTION CONTROL ASSOCIATION,V.14,NO.10,OCT. 1964,P.409-414
	0038N	"SELECTIVE REMOVAL OF OXIDES OF NITROGEN FROM GAS MIXTURES CONTAINING OXYGEN" NONNENMACHER,H.,KARTTE,K. U.S. PATENT 3,279,384,OCT. 18,1966,4P.
	0043N	"CATALYST FOR NITROGEN OXIDE REDUCTION" KLIMISCH,R.L. U.S. PATENT 3,674,423,JULY 4,1972,2P.
	0052N	"ENGINE EXHAUST EMISSION CONTROL SYSTEM" TOURTELOTTE,J.F.,NEGRA,J.A.,ET AL. U.S. PATENT 3,699,683,OCT. 24,1972,3P.
	0060N	"CATALYTIC CONVERSION OF EXHAUST GAS IMPURITIES" KEARBY,K.K. U.S. PATENT 3,565,574,FEB. 23,1971,8P.
	0062N	"CATALYST FOR PURIFICATION OF EXHAUST GASES FROM MOTOR VEHICLES AND INDUSTRIAL PLANTS" KOBERSTEIN,E.,LAKATOS,E. U.S. PATENT 3,669,906,JUNE 13,1972,8P.

KEYWORD	ACC NO	TITLE
FLUE-GAS-CONTR	0115N	"DESIGN, CONSTRUCTION AND TESTING OF CATALYTIC AFTERBURNERS FOR REMOVAL OF AIR POLLUTANTS FORMED IN AUTOMOTIVE AND STATIONARY COMBUSTION PROCESSES" BAUERLE,G.L.,NOBE,K. IN PROJECT CLEAN AIR,V.1,U.C.L.A. SCHOOL OF ENGINEERING,RESE ARCH PROJ. S-2,46P.,SEP. 1,1970
	0133N	"APPLICATION OF CATALYSTS TO AUTOMOTIVE NOX EMISSIONS CONTROL" BERNSTIEN,L.S.,KEARBY,K.K.,RAMAN,A.K.S.,VARDI,J.,WIGG,E.F. PRESENTED AT THE AUTOMOTIVE ENGINEERING CONGRESS,DETROIT,JAN . 11-15,1971,PAPER 710014,17P.
	0140N	"CATALYTIC CONTROL OF NOX EMISSIONS FROM MOBILE SOURCES (FINAL REPORT)" SEEGALL,M.I.,NAPIER,J.C.,COMPTON,W.A. INTERNATIONAL HARVESTER CO.,SAN DIEGO,CA.,RESEARCH LABS.,REP T. RDR 1700,143P.,DEC. 1971
	0148N	"CHEMISTRY OF CATALYTIC NITROGEN OXIDE REDUCTION IN AUTOMOTIVE EXHAUST GAS" KLIMISCH,R.L.,BARNES,G.J. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.6,NO.6,P.543-548,JUNE 1972
	0151N	"APPLICATION OF A MONEL-PLATINUM DUAL-CATALYST SYSTEM TO AUTOMOTIVE EMISSION CONTROL" LUNT,R.S.,BERNSTEIN,L.S.,HANSEL,J.G.,HOLT,E.L. PREPRINT, SOCIETY OF AUTOMOTIVE ENGINEERS,INC.,NEW YORK,16P. ,1972

KEYWORD	ACC NO	TITLF
FLUE-GAS-CONTR	0166N	"OXIDATION-REDUCTION CATALYSIS" ROTH,J.F.,DOERR,R.C. INDUSTRIAL ENGINFERING CHEMISTRY,V.53,NO.4,P.293-296,APR. 19 61
	0171N	"CATALYTIC PURIFICATION OF COMBUSTION GASFS" HISADA,S. GER. PATENT 2,119,897,NOV. 18,1971,11P. (GERMAN)
	0172N	"MITSUBISHI STATUS RFPORT ON LOW EMISSION CONCFPT VEHICLFS" KANEKO,Y.,KIYOTA,Y. S.A.E. SPEC. PUB.,NO.370;1-12,MAY 1972 (PRESENTED AT THE NAT IONAL AUTOMOBILF ENGINEERING MEETING,DETROIT,MAY 22-26,1972,
	0173N	"FIAT STATUS REPORT ON LOW FMISSION CONCEPT VFHICLFS" POLLONE,C. S.A.E. PUB.,NO.370;1-16,MAY 1972 (PRESENTED AT THE NATIONAL AUTOMOBILE ENGINFERING MEETING,DETROIT,MAY 22-26,1972,PAPFR
	0174N	"CATALYSTS FOR AUTO FXHAUST EMISSION CONTROI " YAMAKI,N.,TSUCHIMOTO,K. UNION OF JAPANESE SCIENTISTS AND ENGINEERS,PROC. INT. SYMP. AIR POLLUT.,TOKYO,JAPAN,1972,P.643-656 (JAPANFSE)
	0179N	"THE CATALYTIC RFDUCTION OF NITRIC OXIDF IN AUTOMOBILF FXHAUST GASES - I. TFSTS OF IRON-CONTAINING MATERIALS" JENKINS,D.R.,VOISEY,M.A. ATMOSPHERIC ENVIRONMFNT,V. 7,1973,P.177-186
	0183N	"REDUCTION CATALYST FOR NITRIC OXIDF IN EXHAUST AND FLUE GASFS" STENZEL,J.,HARNISCH,H.,KNAPSACK,A.G. GER. OFFEN. 2165550 (B 01J),JULY 5,1973,12P.

KEYWORD	ACC NO	TITLE
FLUE-GAS-CONTR	0184N	"REDUCTION OF NITROGEN OXIDE IN EXHAUST AND WASTE GASES" STENZEL,J.,KNAPSACK,A.G. GER. OFFEN. 2165548 (B 01D),JULY 5,1973,15P.
	0217N	"EXPERIMENTS FOR THE PRODUCTION OF INERT GAS FROM THE WASTE GASES OF A NITRIC ACID PLANT" PORZEL,W.,WOLFGANG,K. CHEM. TECH., 23(9); 537-539, SEPT. 1971
	0225N	"COBALT SULFIDE AND NICKEL SULFIDE CATALYSTS FOR REDUCTION OF NITROGEN OXIDES IN EXHAUST GASES" POMOT,J.L.E. GER. OFFEN. 2307342 (B01J), AUG. 30, 1973
	0226N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM AUTOMOTIVE EXHAUST GASES" SIMIZU,I.,DAWASAKI,M. JAPAN. KOKAI 73 71366(13(7)A11, 51 D51, 13(9) G3),SEPT. 27, 1973
	0229N	"COPPER-IRON-NICKEL ALLOY CATALYSTS FOR REMOVAL OF NITRIC OXIDE FROM AUTOMOTIVE EXHAUST GASES" NIIMI,I.,MORITA,A.,MENOTO,Y.,SATO,M. GER. OFFEN. 2306785 (C 22C), AUG. 23, 1973
	0230N	"CHROMIUM OXIDE-IRON OXIDE-NICKEL OXIDE CATALYSTS FOR TREATMENT OF AUTOMOTIVE EXHAUST GASES" OKUYAMA,T.,SANO,M.,MINE,J. GER. OFFEN. 2308789 (B01J), AUG. 30,1973

KEYWORD	ACC NO	TITLE
FLUE-GAS-CONTR	0242N	"SELECTIVE REMOVAL OF NITROGEN OXIDES FROM OXYGEN-CONTAINING GASES ESPECIALLY FROM NITRIC ACID PRODUCTI COHN,J.,STEELE,D.R.,ANDERSEN,H.C. U.S. 2,975,025,NOV. 5, 1971
	0248N	"CATALYTIC REDUCTION OF NOX - PILOT PLANT OPERATION" ENVIRONICS INC. ENVIRONICS INC., HUNTINGTON BEACH, CA., PROGRESS REPORT, JULY 1973
	0252N	"CATALYSTS FOR AUTOMOTIVE POLLUTION CONTROL DEVICES" NOBE,K.,BAUERLE,G.L. FINAL REPORT, SCHOOL OF ENGINEERING AND APPLIED SCIENCES. U.C.L.A., SEPT. 1973
	0255N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,RADOWSKY,F.W.,HERSCHBERG,E.H.,LANG,C.R.,SCHOC S.A.E. PAPER 720480, MAY 1972
	0259N	"PROCESSING NITRIC ACID TAIL GAS" ADLHART,O.J.,HINDIN,S.G.,KENSON,R.F. CHEM. ENG. PROGRESS, 67(2), 73-78
MOBILE-SOURCE	0002N	"THE CONTROL OF AUTOMOTIVE EMISSIONS WITH DUAL BED CATALYST SYSTEMS" BERNSTEIN,L.S.,RAMAN,A.K.,WIGG,E.E. PAPER PRESENTED TO 1971 TECHNICAL SESSION; ENGINES AND EMISSIONS,CENTRAL STATES SECTION,THE COMBUSTION INST.,MAR. 1971
	0003N	"EFFECT OF CATALYTIC CONVERTERS ON AUTOMOTIVE AMMONIA EMISSIONS" HUNTER,J.E. PAPER PRESENTED AT CENTRAL STATES SECTION,COMBUSTION INSTITUTE,ANN ARBOR,MICH.,MAR. 1971,GMR-1061,12P.

KEYWORD	ACC NO	TITLE
MOBILE-SOURCE	0011N	"SELECTIVE CATALYTIC REACTION OF HYDROGEN WITH NITRIC OXIDE IN THE PRESENCE OF OXYGEN" JONES,J.H.,ET AL. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,SEP. 1971,P.790-798
	0013N	"AMMONIA INTERMEDIACY AS A BASIS FOR CATALYST SELECTION FOR NITRIC OXIDE REDUCTION" KLIMISCH,R.L.,TAYLOR,K.C. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.7,NO.2,FEB. 1972,P.127-131
	0014N	"CATALYSIS FOR CONTROL OF AUTOMOTIVE EMISSIONS" DWYER,F.G. CATALYSIS REVIEWS,V.6,NO.2,1972,P.261-291
	0033N	"INCREASING RELIABILITY OF PLATINUM CATALYST SYSTEMS" MATTHEY BISHOP INC. AUTOMOTIVE ENGINEERING,V.80,NO.12,DEC. 1972,P.11
	0034N	"EMISSION CONTROL DEVICE TAKES LEADED FUELS IN STRIDE" QUESTOR CORP. PRODUCT ENGINEERING,JAN. 1973,P.9-10
	0035N	"CATALYTIC REDUCTION OF NITROGEN OXIDES IN AUTOMOBILE EXHAUST" BAKER,R.A.,DOERR,R.C. JOURNAL OF AIR POLLUTION CONTROL ASSOCIATION,V.14,NO.10,OCT. 1964,P.409-414
	0039N	"PROCESS FOR CATALYTICALLY REDUCING NITROGEN OXIDES IN INDUSTRIAL STACK GASES" CHILDERS,E.,ELLIS,C.W.,RYAN,D.J. U.S. PATENT 2,910,343,OCT. 27,1959,7P.

KEYWORD	ACC NO	TITLE
MOBILE-SOURCE	0041N	"EFFICIENT AND ECONOMICAL DECOMPOSITION OF OXIDES OF NITROGEN" HARRIS,S.W.,MORELLO,F.F.,PETERS,G.H. U.S. PATENT 3,459,494,AUG. 5,1969,2P.
	0043N	"CATALYST FOR NITROGEN OXIDE REDUCTION" KLIMISCH,R.L. U.S. PATENT 3,674,423,JULY 4,1972,2P.
	0044N	"NOVEL CATALYSTS AND CATALYST SUPPORTS FOR CONTROL OF NITROGEN OXIDES IN AUTOMOBILE" BALGORD,W.D.,WANG,K.K. PROCEEDINGS OF 2ND INTERNATIONAL CLEAN AIR CONGRESS,1970,P.818-826
	0045N	"NITROGEN OXIDE; FORMATION, SUPPRESSION, AND CATALYTIC REDUCTION" MEGUERIAN,G.H. WATER AIR CONSERV. PETROL. IND.,1971,P.21-21
	0049N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,ET AL. PROC.,DEV. REFINING,AMERICAN PETROLEUM INST.,1972,V.52,P.740-760
	0050N	"FORD DURABILITY EXPERIENCE ON LOW EMISSION CONCEPT VECHICLES" CAMPAU,R.M.,STEFAN,A.,HANCOCK,E.E. PROC.,DIV. REFINING,AMERICAN PETROLEUM INST.,1972,V.52,P.761-788

KEYWORD	ACC NO	TITLE
MOBILE-SOURCE	0052N	"ENGINE EXHAUST EMISSION CONTROL SYSTEM" TOURTELOTTE,J.F.,NEGRA,J.A.,ET AL. U.S. PATENT 3,699,683,OCT. 24,1972,3P.
	0054N	"CATALYST FOR TREATING EXHAUST GAS FROM INTERNAL COMBUSTION ENGINES" NEGRA,J.S.,WARSHAW,A. U.S. PATENT 3,701,822,OCT. 31,1972,3P.
	0055N	"CATALYSTS FOR REMOVAL OF SMOG-FORMING COMPONENTS FROM EXHAUST GASES" CLIFFORD,A.F.,JAFFE,J. U.S. PATENT 3,407,030,OCT. 22,1968,8P.
	0057N	"PROCESS FOR CATALYTICALLY TREATING EXHAUST GASES" ROTH,J.F. U.S. PATENT 3,493,325,FEB. 3,1970,9P.
	0060N	"CATALYTIC CONVERSION OF EXHAUST GAS IMPURITIES" KEARBY,K.K. U.S. PATENT 3,565,574,FEB. 23,1971,8P.
	0062N	"CATALYST FOR PURIFICATION OF EXHAUST GASES FROM MOTOR VEHICLES AND INDUSTRIAL PLANTS" KOBERSTEIN,E.,LAKATOS,E. U.S. PATENT 3,669,906,JUNE 13,1972,8P.
	0063N	"METHOD OF DECOMPOSING NITROGEN OXIDES" STEPHENS,R.E. U.S. PATENT 3,552,913,JAN. 5,1971,4P.

KEYWORD	ACC NO	TITLE
MOBILE-SOURCE	0064N	"METHOD OF TREATING EXHAUST GASES OF INTERNAL COMBUSTION ENGINES" GROSS,G.P.,ET AL. U.S. PATENT 3,370,914,FEB. 27,1968,27P.
	0075N	"AIR POLLUTION BY TOXIC GAS AND ITS COUNTER MEASURE" YAMATE,N. J. JAPAN AIR CLEANING ASSOC.,TOKYO,V.3,NO.2,P.19-25,1965 (JAPAN)
	0115N	"DESIGN, CONSTRUCTION AND TESTING OF CATALYTIC AFTERBURNERS FOR REMOVAL OF AIR POLLUTANTS FORMED IN AUTOMOTIVE AND STATIONARY COMBUSTION PROCESSES" BAUERLE,G.L.,NOBE,K. IN PROJECT CLEAN AIR,V.1,U.C.L.A. SCHOOL OF ENGINEERING,RESEARCH PROJ. S-2,46P.,SEP. 1,1970
	0121N	"CATALYSTS FOR PURIFICATION OF AUTOMOBILE EXHAUST GAS; (II),CONTACT REDUCTION BY CO AND C3H8 OF NO" NAKAJIMA,F.,TAKEUCHI,M. PREPRINT, JAPAN CHEMICAL SOCIETY,TOLYO,1P.,1971 (JAPANESE)
	0126N	"CATALYTIC CONTROL OF AUTOMOBILE EXHAUST EMISSIONS" YOLLES,R.S.,WISE,H. CRC CRITICAL REV. ENVIRONMENTAL CONTROL,V.2,NO.1,P.125-146,APR. 1971
	0133N	"APPLICATION OF CATALYSTS TO AUTOMOTIVE NOX EMISSIONS CONTROL" BERNSTIEN,L.S.,KEARBY,K.K.,RAMAN,A.K.S.,VARDI,J.,WIGG,E.E. PRESENTED AT THE AUTOMOTIVE ENGINEERING CONGRESS,DETROIT,JAN. 11-15,1971,PAPER 710014,17P.

KEYWORD	ACC NO	TITLE
MOBILE-SOURCE	0136N	"EXHAUST GAS PURIFICATION" JONES,J.H.,WEAVER,E.F. U.S. PATENT 3,599,427,AUG. 17,1971,6P.
	0140N	"CATALYTIC CONTROL OF NOX EMISSIONS FROM MOBILE SOURCES (FINAL REPORT)" SEEGALL,M.I.,NAPIER,J.C.,COMPTON,W.A. INTERNATIONAL HARVESTER CO.,SAN DIEGO,CA.,RESEARCH LABS.,REPT. RDR 1700,143P.,DEC. 1971
	0145N	"AUTOMOTIVE EXHAUST GAS PURIFICATION CATALYST" TODO,M. SEKIYU TO SEKIYU KAGAKU (PETROL. PETROCHEM.),V.15,NO.7,P.103-108,1971 (JAPANESE)
	0148N	"CHEMISTRY OF CATALYTIC NITROGEN OXIDE REDUCTION IN AUTOMOTIVE EXHAUST GAS" KLIMISCH,R.L.,BARNES,G.J. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.6,NO.6,P.543-548,JUNE 1972
	0151N	"APPLICATION OF A MONEL-PLATINUM DUAL-CATALYST SYSTEM TO AUTOMOTIVE EMISSION CONTROL" LUNT,R.S.,BERNSTEIN,L.S.,HANSEL,J.G.,HOLT,E.L. PREPRINT, SOCIETY OF AUTOMOTIVE ENGINEERS,INC.,NEW YORK,16P.,1972
	0172N	"MITSUBISHI STATUS REPORT ON LOW EMISSION CONCEPT VEHICLES" KANEKO,Y.,KIYOTA,Y. S.A.E. SPEC. PUB.,NO.370;1-12,MAY 1972 (PRESENTED AT THE NATIONAL AUTOMOBILE ENGINEERING MEETING,DETROIT,MAY 22-26,1972,

KEYWORD	ACC NO	TITLE
MOBILE-SOURCE	0173N	"FIAT STATUS REPORT ON LOW EMISSION CONCEPT VEHICLES" POLLONE,C. S.A.E. PUB.,NO.370;1-16,MAY 1972 (PRESENTED AT THE NATIONAL AUTOMOBILE ENGINEERING MEETING,DETROIT,MAY 22-26,1972,PAPER
	0174N	"CATALYSTS FOR AUTO EXHAUST EMISSION CONTROL" YAMAKI,N.,TSUCHIMOTO,K. UNION OF JAPANESE SCIENTISTS AND ENGINEERS,PROC. INT. SYMP. AIR POLLUT.,TOKYO,JAPAN,1972,P.643-656 (JAPANESE)
	0176N	"CATALYTIC REMOVAL OF NITROGEN OXIDES, CARBON MONOXIDE AND HYDROCARBONS FROM COMBUSTION EXHAUST STREAMS" TAYLOR,F.R. FRANKLIN INSTITUTE LABORATORIES,PHILADELPHIA,PA.,1959,18P.
	0179N	"THE CATALYTIC REDUCTION OF NITRIC OXIDE IN AUTOMOBILE EXHAUST GASES - I. TESTS OF IRON-CONTAINING MATERIALS" JENKINS,D.R.,VOISEY,M.A. ATMOSPHERIC ENVIRONMENT,V. 7,1973,P.177-186
	0183N	"REDUCTION CATALYST FOR NITRIC OXIDE IN EXHAUST AND FLUE GASES" STENZEL,J.,HARNISCH,H.,KNAPSACK,A.G. GER. OFFEN. 2165550 (B 01J),JULY 5,1973,12P.
	0184N	"REDUCTION OF NITROGEN OXIDE IN EXHAUST AND WASTE GASES" STENZEL,J.,KNAPSACK,A.G. GER. OFFEN. 2165548 (B 01D),JULY 5,1973,15P.
	0189N	"REMOVAL OF NITROGEN OXIDES" ENDU,A.,TAKEYAMA,T.,SHODA,K. JAPAN. 72 50982 (B 01J),DEC. 21,1972,3P.

KEYWORD	ACC NO	TITLE
MOBILE-SOURCE	0190N	"CATALYTIC DECOMPOSITION OF NITROGEN OXIDES" OODAN,K.,SASAYA,H.,YOSHIDA,K.,OTSUKA,H. JAPAN. KOKAI 7355870 (13(7)A11), AUG. 6,1973,4P.
	0192N	"REDUCING NITROGEN COMPOUND CONTENT IN EXHAUST GAS" GANDHI,H.,SHELEF,M. FR. 2151322 (F 01N),MAY 18,1973,8P.
	0193N	"CATALYSTS FOR EXHAUST GAS TREATMENT" OKUYAMA,T.,SANO,M.,MANABE,S.,IWABUCHI,H. GER. OFFEN. 2252402 (B 01J, F 01N),MAY 30,1973,36P.
	0197N	"THE CATALYTIC REDUCTION OF NITRIC OXIDE OVER SUPPORTED RUTHENIUM CATALYSTS" TAYLOR,K.,KLIMISCH,R.L. JOURNAL OF CATALYSIS,V. 30,NO. 3,1973,P.478-484
	0198N	"CONTROL OF NITROGEN OXIDES EMISSION FROM ENGINES" TOURTELLOTEE,J.F.,NEGRA,J.S.,WARSHAW,A.,VILLIERSFISHER,J. U.S. 3739583, JUNE 19,1973,5P.
	0199N	"PALLADIUM-PLATINUM CATALYSTS FOR DECOMPOSITION OF NITROGEN OXIDES" TSUNOI,K.,TADA,K. JAPAN. KOKAI 73 15785,FEB. 28,1973,3P.
	0200N	"REDUCTION OF NITROGEN OXIDE IN EXHAUST GAS FROM INTERNAL COMBUSTION ENGINES" HORIE,K.,YAMAUCHI,S.,HARA,J.,OHHARA,T. JAPAN. KOKAI 73 42989,JUNE 21,1973,6P.

KEYWORD	ACC NO	TITLE
MOBILE-SOURCE	0201N	"CATALYSTS FOR THE REDUCTION OF NITROGEN OXIDES" GERHARD,M.,SIEPMANN,R.,KUMMER,F. GER. OFFEN. 2151958 (B 01J),APR. 26,1973,10P.
	0202N	"CATALYST FOR REDUCING NITROGEN OXIDES" KOORI,Y.,OKAMOTO,O.,KAWAKAMI,A.,WATANABE,S. JAPAN. KOKAI 73 28391 (13(9)G11),APR. 14,1973.3P.
	0205N	"A LOW TEMPERATURE CATALYTIC APPROACH TO NO(X) CONTROL" LAWSON,A. JOURNAL OF CATALYSIS,24,1972,P.297-305
	0206N	"CATALYTIC PROPERTIES OF METAL OXIDES OF PERIOD VI OF THE PERIODIC SYSTEM WITH RESPECT TO OXIDATION REACTIONS" YUREVA,T.M.,POPOVSKII,V.V.,BORESKOV,G.K. TRANSLATED FROM KINETIKA I KATALIZ,V. 6,NO. 6.NOV.-DEC. 1965 ,P.1041-1045
	0216N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,RAKOWSKY,F.W.,HIRSCHBERG,E.H.,LANG,C.R.,SCHOC SOC. AUTOMOT. ENGRS., SPEC. PUB. NO. 370, 24P., MAY 1972
	0225N	"COBALT SULFIDE AND NICKEL SULFIDE CATALYSTS FOR REDUCTION OF NITROGEN OXIDES IN EXHAUST GASES" POMOT,J.L.E. GER. OFFEN. 2307342 (B01J), AUG. 30, 1973
	0226N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM AUTOMOTIVE EXHAUST GASES" SIMIZU,I.,DAWASAKI,M. JAPAN. KOKAI 73 71366(13(7)A11, 51 D51, 13(9) G3),SEPT. 27, 1973

KEYWORD	ACC NO	TITLE
MOBILE-SOURCE	0228N	"CATALYST FOR REMOVING NITROGEN OXIDES" HASEGA,O.,YOKOTA,S. JAPAN. KOKAI 73 55890 (13(9)G11), AUG. 6, 1973
	0229N	"COPPER-IRON-NICKEL ALLOY CATALYSTS FOR REMOVAL OF NITRIC OXIDE FROM AUTOMOTIVE EXHAUST GASES" NIIMI,I.,MORITA,A.,MENOTO,Y.,SATO,M. GER. OFFEN. 2306785 (C 22C), AUG. 23, 1973
	0230N	"CHROMIUM OXIDE-IRON OXIDE-NICKEL OXIDE CATALYSTS FOR TREATMENT OF AUTOMOTIVE EXHAUST GASES" OKUYAMA,T.,SANO,M.,MINE,J. GER. OFFEN. 2308789 (B01J), AUG. 30,1973
	0251N	"STUDY OF CATALYTIC CONTROL OF EXHAUST EMISSIONS FOR OTTO CYCLE ENGINES" YOLLES,R.S.,WISE,H.,BERRIMAN,L.P. STANFORD RESEARCH INSITIUTE, FINAL REPORT, IRVINE, CA., APR. 1970
	0252N	"CATALYSTS FOR AUTOMOTIVE POLLUTION CONTROL DEVICES" NOBE,K.,BAUERLE,G.L. FINAL REPORT, SCHOOL OF ENGINEERING AND APPLIED SCIENCES, U.C.L.A., SEPT. 1973
	0255N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,RADOWSKY,F.W.,HERSCHBERG,E.H.,LANG,C.R.,SCHOC S.A.E. PAPER 720480, MAY 1972
NOBLE-METAL-CAT	0001N	"THE HETEROGENEOUS DECOMPOSITION OF NITRIC OXIDE ON SUPPORTED CATALYSTS" SHELEF,M.,OTTO,K.,GANDHI,H. ATMOSPHERIC ENVIRONMENT,V. 3,1969,P.107-122

KEYWORD	ACC NO	TITLE
NOBLE-METAL-CAT	0003N	"EFFECT OF CATALYTIC CONVERTERS ON AUTOMOTIVE AMMONIA EMISSIONS" HUNTER,J.E. PAPER PRESENTED AT CENTRAL STATES SECTION,COMBUSTION INSTITUTE,ANN ARBOR,MICH.,MAR. 1971,GMR-1061,12P.
	0004N	"CATALYTIC REDUCTION OF NITROGEN DIOXIDE WITH HYDROGEN" AYEN,R.J.,AMIRNAZMI,A. A.I.CH.E. CLEVELAND MEETING,MAY 1969,30P.
	0009N	"APPERANCE OF N2O IN THE CATALYTIC REDUCTION OF NO BY CO" SHELEF,M.,OTTO,K. JOURNAL OF CATALYSTS,V.10,1968,P.408-413
	0011N	"SELECTIVE CATALYTIC REACTION OF HYDROGEN WITH NITRIC OXIDE IN THE PRESENCE OF OXYGEN" JONES,J.H.,ET AL. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,SEP. 1971,P.790-798
	0012N	"NITRIC ACID PLANT FUME ABATERS" REED,R.M.,HARVIN,R.L. CHEMICAL ENGINEERING PROGRESS,V.68,NO.4,APR. 1972,P.78-79
	0013N	"AMMONIA INTERMEDIACY AS A BASIS FOR CATALYST SELECTION FOR NITRIC OXIDE REDUCTION" KLIMISCH,R.L.,TAYLOR,K.C. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.7,NO.2.FEB. 1972,P.127-131
	0015N	"CATALYTIC REDUCTION OF WASTE NITROGEN OXIDES" MARKVART,M.,POUR,V. INTERNATIONAL CHEMICAL ENGINEERING,V.8,NO.2,APR. 1968,P.261-267

KEYWORD	ACC NO	TITLE
NOBLF-METAL-CAT	0016N	"CATALYTIC REDUCTION OF NITRIC OXIDE WITH CARBON MONOXIDF" BAUERLE,G.L.,SFRVICE,G.R.,NOBE,K. I AND EC PRODUCT RFSEARCH AND DEVELOPMENT,V.11,NO.1,MAR. 1972,P.54-58
	0030N	"STUDIES ON A NFW METHOD OF SIMULTANEOUSLY RFMOVING SULFUR DIOXIDE AND OXIDES OF NITROGEN FROM COMBUSTION GASES" RYASON,P.R.,HARKINS,J. JOURNAL OF THE AIR POLLUTION CONTROL ASSOCIATION,V.17,NO.12, DEC. 1967,P.796-799
	0032N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM FXHAUST GASFS OF NITRIC ACID PLANTS" VAN DER DRIFT,J. CHEM. TECH,V24,NO.10,1969,P.301-305(NETH.)
	0033N	"INCREASING RELIABILITY OF PLATINUM CATALYST SYSTEMS" MATTHEY BISHOP INC. AUTOMOTIVE ENGINEERING,V.80,NO.12,DEC. 1972,P.11
	0036N	"CATALYTIC PURIFICATION OF TAIL GAS" GILLESPIE,G.R.,BOYUM,A.A.,COLLINS,M.F. CHEMICAL ENGINEERING PROGRESS,V.68,NO.4,APR. 1972,P.72-77
	0039N	"PROCESS FOR CATALYTICALLY REDUCING NITROGEN OXIDES IN INDUSTRIAL STACK GASES" CHILDERS,E.,ELLIS,C.W.,RYAN,D.J. U.S. PATENT 2,910,343,OCT. 27,1959,7P.
	0048N	"INTERACTION OF NITRIC OXIDE, NITROGEN, AND OXYGFN WITH RHENIUM" TAMURA,T.,HAMAMURA,T. MFM. FAC. IND. ARTTS,KYOTO TECH. UNIV.,SCI. TFCHNOL.,1971,V.20,P.55-70(ENG.)

KEYWORD	ACC NO	TITLE
NOBLE-METAL-CAT	0064N	"METHOD OF TREATING EXHAUST GASES OF INTERNAL COMBUSTION ENGINES" GROSS,G.P.,ET AL. U.S. PATENT 3,370,914,FEB. 27,1968,27P.
	0066N	"SELECTIVE REDUCTION OF NITROGEN OXIDES WITH AMMONIA" MARKVART,M.POUR,V. CHEM. PRUMYSL (PRAGUE),V.19,NO.1,P.8-12,1969 (CZECH.)
	0067N	"THE CATALYTIC NITRIC OXIDE REDUCTION AND AMMONIA OXIDATION (IV)" ADRUSSOW,L. CHEM. BER.,V.60,P.536-540,1927 (GERMAN)
	0071N	"A NEW FAMILY OF CATALYSTS FOR NITRIC ACID TAIL GASES" ANDERSEN,H.C.,ROMEO,P.L.,GREEN,W.J. NITROGEN,NO. 50,P.33-36,NOV./DEC. 1967
	0073N	"METHOD OF REMOVING NITROGEN OXIDES FROM GASES" CHILDERS,E.,ELLIS,C.W.,RYAN,D.J. U.S. PATENT 3,125,408,MAR. 17,1964
	0074N	"METHOD OF REMOVING NITROGEN OXIDES FROM GASES" COHN,J.G.E. U.S. PATENT 3,118,727,JAN. 21,1964,4P.
	0078N	"A SOLID CHEMICAL AIR GENERATOR" PETERS,G.H.,AKER,J.E.,MORELLO,E.F. AMOCO CHEMICALS CORP.,SEYMOUR,IND.,PROPELLANTS DEV.,REPT. NO . AMRL-TDR-64-71,DSEPT. 1964,55P.

KEYWORD	ACC NO	TITLE
NOBLE-METAL-CAT	0081N	"CATALYTIC DECOMPOSITION OF NITRIC OXIDE" SAKAIDA,R.R.,RINDER,R.G.,WANG,U.L.,CORCORAN,W.H. JOURNAL OF AMER. INST. OF CHEM. ENG.,V.7,NO.4,P.658-663,DEC. 1961
	0082N	"CATALYTIC AFTERBURNING OF ORGANIC AIR POLLUTANTS" BETZ,E.C.,FEIST,H.J. TECHNIK (BERLIN),V.20,NO.6,P.395-400,JUNE 1965 (GERMAN TR.)
	0083N	"THE CATALYTIC REDUCTION OF NITROUS GASES DURING THE MANUFACTURE OF NITRIC ACID" FEIST,J. PROCEEDINGS,INTERNATIONAL CLEAN AIR CONGRESS,LONDON,PT. I,1966,PAPER VI/15,P.199-202
	0084N	"PLATINUM CATALYSTS AND AIR POLLUTION CONTROL" HUNTER,J.B. S. AFRICAN MINING ENG. J.,1968,P.438-440,FEB. 23,1968
	0086N	"CATALYST SYSTEM MORPHOLOGY AND DESIGN" DWYER,F.G. PROCEEDINGS,FIRST NATL. SYMP. ON HETEROGENEOUS CATALYSIS FOR CONTROL OF AIR POLLUTION,PHILADELPHIA,NOV. 1968,P.73-86
	0087N	"PURIFICATION OF NITROGEN OF EXHAUST GAS IN THE PRODUCTION OF WEAK NITRIC ACID FOR THE SYNTHESIS OF AMMONIA" NABIYEW,M.K.,ET AL. DOKL. AKAD. NAUK UZ. SSR,V.20,NO.11,P.17-20,1963 (RUSSIAN)
	0089N	"THE KINETICS OF THE REACTION BETWEEN AMMONIA AND NITRIC OXIDE ON THE SURFACE OF A PLATINUM FILAMENT" MICHAILOVA,E.A. ACTA PHYSICOCHIM. USSR,V.10,NO.5,P.653-676,1939

KEYWORD	ACC NO	TITLE
NOBLE-METAL-CAT	0091N	"CLEANING OF INDUSTRIAL GASES WITH PRECIOUS METAL CATALYSTS" ANDERSEN,H.C. DECHEMA MONOGRAPH.,V.40,P.325-333,1962 (GERMAN)
	0097N	"NATURAL-GAS CATALYTIC REDUCTION OF NITRIC OXIDE TAIL GASES FROM NITRIC ACID PRODUCTION" TIKHONENKO,A.D.,NABIEV,M.N. UZBESK. KHIM. ZH.,V.11,NO.4,P.6-9,1967 (RUSSIAN)
	0099N	"ELIMINATION OF NITROUS GAS EMISSION BY CATALYTIC REDUCTION" JEITNER,O.,KONIG,K. CHEM. TECH. (BERLIN),V.19,NO.3,P.166-169,MAR. 1967 (GERMAN)
	0102N	"PLATINUM CATALYSTS FOR THE CONTROL OF AIR POLLUTION; A TAIL GAS REDUCTION SYSTEM FOR NITRIC ACID PLANTS" HUNTER,J.B. PLATINUM METALS REV.,V. 9-12,P.2-6,1965-1968
	0103N	"CATALYTIC DECOMPOSITION OF NO IN FLUE GAS (FINAL REPT.)" NUZUM,H.K.,WALLING,J.F. BATTELLE MEMORIAL INST.,COLUMBUS,OHIO,GRANT 5 R01 AP00577,41 P.,MAY 31,1969
	0110N	"TECHNIQUES FOR CONTROLLING THE OXIDES OF NITROGEN" HARDISON,L.C. JOURNAL AIR POLLUTION CONTROL ASSOC.,V.20,NO.6,P.377-382,JUNE 1970
	0112N	"UTILIZATION OF CATALYST IN AIR POLLUTION CONTROL" YAMANAKA,T. KAGAKU KOGYO (TOKYO),V.22,NO.3,P.102-108,MAR. 1971

KEYWORD	ACC NO	TITLE
NOBLE-METAL-CAT	0114N	"STUDIES OF SURFACE REACTIONS OF NO BY ISOTOPE LABELING; II. DEUTERIUM KINETIC ISOTOPE EFFECT IN THE AMMONIA-NITRIC OXIDE REACTION OF A SUPPORTED PLATINUM CATALYST" OTTO,K.,SHELEF,M.,KUMMER,J.T. JOURNAL OF PHYSICAL CHEMISTRY,V.75,NO.7,P.875-879,APR. 1971
	0118N	"PROCESS FOR THE OXIDATION OF NITRIC OXIDE" ANDERSEN,H.C.,HALEY,A.J. U.S. PATENT 3,079,232,FEB. 26,1963,4P.
	0121N	"CATALYSTS FOR PURIFICATION OF AUTOMOBILE EXHAUST GAS; (II),CONTACT REDUCTION BY CO AND C3H8 OF NO" NAKAJIMA,F.,TAKEUCHI,M. PREPRINT, JAPAN CHEMICAL SOCIETY,TOLYO,1P.,1971 (JAPANESE)
	0122N	"ON REMOVAL OF NO GAS GENERATED IN MEDIUM AND SMALL SIZE CHEMICAL FACTORIES" OYA,S.,OYA,N. PREPRINT, SAFETY ENGINEERING SOCIETY OF JAPAN. TOLYO,4P.,197 0 (JAPANESE)
	0123N	"NITROGEN OXIDE POLLUTION; NITRIC ACID PLANT POLLUTANTS" NEWMAN,D.J. CHEMICAL ENGINEERING PROGRESS,V.67,NO.2,P.79-84,FEB. 1971
	0131N	"FILTER FOR ELIMINATING HARMFUL GAS" KANBE,R. PREPRINT, REUTILIZATION OF RESOURCES TECHNICAL ASSOC. (JAPAN),6P.,1971 (JAPANESE)

KEYWORD	ACC NO	TITLE
NOBLE-METAL-CAT	0132N	"CATALYTIC REDUCTION OF OXIDES OF NITROGEN (FINAL REPT.)" PETERSEN,E.E.,BELL,A.T. UNIV. OF CALIF.,BERKELEY,DEPT. OF CHEMICAL ENGINEERING,GRANT AP-00387,6P.,1970
	0135N	"METHOD OF REMOVING NITROGEN OXIDES FORM GASES" KANDELL,P.,NEMES,G. U.S. PATENT 3,567,367,MAR. 2,1971,3P.
	0136N	"EXHAUST GAS PURIFICATION" JONES,J.H.,WEAVER,E.F. U.S. PATENT 3,599,427,AUG. 17,1971,6P.
	0137N	"CATALYSTS FOR PURIFICATION OF WASTE GASES CONTAINING OXIDES OF NITROGEN" HINDIN,S.G.,DETTLING,J.C. U.S. PATENT 3,615,166,OCT. 26,1971,5P.
	0141N	"CATALYTIC DECOMPOSITION OF NITROGEN DIOXIDE ON A HEATED PLATINUM WIRE" ONG,B.G.,MASON,D.M. INDUSTRIAL ENGINEERING CHEMISTRY FUNDAMENTALS,V.11,NO.2,P.169-174,MAY 1972
	0145N	"AUTOMOTIVE EXHAUST GAS PURIFICATION CATALYST" TODO,M. SEKIYU TO SEKIYU KAGAKU (PETROL. PETROCHEM.),V.15,NO.7,P.103-108,1971 (JAPANESE)
	0149N	"INVESTIGATION ON CATALYTIC REDUCTION OF EXIT NITRIC OXIDES BY AMMONIA" GAJEWSKI,A.,KUPIEK,S.,ZYGADLO,J. PRZEMYSL CHEM.,V.51,NO.1,P.44-46,1971 (POLISH)

KEYWORD	ACC NO	TITLE
NOBLE-METAL-CAT	0150N	"THE CATALYTIC OXIDATION OF AMMONIA INTO NITRIC ACID" NEUMANN,B.,ROSE,H. A. ANGEW. CHEM (WEINHEIM),V.1,P.45-48,51-55,FEB. 24,1920 (TRANS. FROM GERMAN)
	0153N	"THERMAL AND CATALYTIC WASTE GAS CLEANING INCLUDING THE WET NITROGEN OXIDE PROCEDURES" BRAND,H. CHEM. TECH. (BERLIN),V.1,NO.5,P.224-225,MAY 1972 (GERMAN)
	0157N	"RAPID, CONTINUOUS CONVERSION OF NO TO N2 PLUS H2O" ALEI,M. LOS ALAMOS SCIENTIFIC LAB.,N. MEX.,REPT. LA-4904,UC-4,5P.,APR. 1972
	0159N	"THE EFFECT OF GAS TEMPERATURE ON THE RATE OF A HETEROGENEOUS REACTION; A PARASITE EFFECT OCCURRING DURING THE NITROUS OXIDE DECOMPOSITION OVER PLATINUM IN A CLOSED RE KLOSTER,J.P.,LINTZ,H. Z. PHYSIK. CHEM. NEUE FOLGE (FRANKFURT),V.78(3/4),P.215-218, MAY 1972 (GERMAN)
	0164N	"CATALYTIC REDUCTION OF WASTE NITROGEN OXIDES" JAROS,S.,KRIZEK,J. CHEM. PRUMYSL (PRAGUE),17/42(11),P.581-586,1967 (CZECH.)
	0173N	"FIAT STATUS REPORT ON LOW EMISSION CONCEPT VEHICLES" POLLONE,C. S.A.E. PUB.,NO.370;1-16,MAY 1972 (PRESENTED AT THE NATIONAL AUTOMOBILE ENGINEERING MEETING,DETROIT,MAY 22-26,1972,PAPER

KEYWORD	ACC NO	TITLE
NOBLE-METAL-CAT	0175N	"THE INFLUENCE OF OXYGEN ON THE CATALYTIC REDUCTION OF NITRIC OXIDE BY AMMONIA" MARKVART,M.,POUR,V. J. CATALYSIS,7,P.279-281,1967
	0177N	"AMMONIA FORMATION IN CATALYTIC REDUCTION OF NITRIC OXIDE BY MOLECULAR HYDROGEN" SHELEF,M.,GANDHI,H.S. I AND EC PRODUCT RESEARCH AND DEVELOPMENT,V. 11,DEC. 1972,P. 393-396
	0178N	"SYSTEMS STUDY OF NITROGEN OXIDE CONTROL METHODS FOR STATIONARY SOURCES" BARTOK,W.,ET AL. ESSO RESEARCH AND ENGINEERING CO.,FINAL RPT.,V. 2,NO. GR-2-M PS-69,NOV. 20,1969 (PB 192-789)
	0180N	"OXYGEN INHIBITION IN THE DECOMPOSITION OF NO ON METAL OXIDES AND PLATINUM" AMIRNAZMI,A.,BENSON,J.E.,BOUDART,M. JOURNAL OF CATALYSIS,30,1973,P.55-65
	0181N	"CATALYTIC REMOVAL OF AMMONIA AND NITROGEN OXIDES FROM SPACECABIN ATMOSPHERES" GULLY,A.J.,ET AL. TEXAS TECH. UNIV.,LUBBOCK,NASA CONTRACT REP-2132,FEB 1973,17 OP.
	0182N	"POLLUTION FROM NITRIC ACID PLANTS; PURIFICATION OF TAIL GAS USING PLATINUM CATALYSTS" SEARLES,R.A. PLATINUM MET. REV.,V.17,NO.2,APR. 1973,P.57-63

KEYWORD	ACC NO	TITLE
NOBLE-METAL-CAT	0191N	"AMMONIA FORMATION IN THE NITRIC OXIDE-METHANE REACTION" VARTULI,J.C.,GONZALEZ,R.D. IND. ENG. CHEM. PROD. RES. DEVELOP.,V. 12,NO. 3,1973,P.171-175
	0195N	"CATALYTIC PURIFICATION OF WASTE GASES FROM NITRIC ACID MANUFACTURE" COLLINS,M.F.,MICHALEK,R. GER. OFFEN. 2255732 (C 01B),MAY 24,1973,16P.
	0196N	"ISOCYANATE INTERMEDIATES IN THE REACTION NO-CO OVER A PT/AL2O3 CATALYST" UNLAND,M.L. JOURNAL OF PHYSICAL CHEMISTRY,V. 77,NO. 16, 1973,P.1952-1956
	0197N	"THE CATALYTIC REDUCTION OF NITRIC OXIDE OVER SUPPORTED RUTHENIUM CATALYSTS" TAYLOR,K.,KLIMISCH,R.L. JOURNAL OF CATALYSIS,V. 30,NO. 3,1973,P.478-484
	0199N	"PALLADIUM-PLATINUM CATALYSTS FOR DECOMPOSITION OF NITROGEN OXIDES" TSUNOI,K.,TADA,K. JAPAN. KOKAI 73 15785,FEB. 28,1973,3P.
	0200N	"REDUCTION OF NITROGEN OXIDE IN EXHAUST GAS FROM INTERNAL COMBUSTION ENGINES" HORIE,K.,YAMAUCHI,S.,HARA,J.,OHHARA,T. JAPAN. KOKAI 73 42989,JUNE 21,1973,6P.

KEYWORD	ACC NO	TITLE
NOBLE-METAL-CAT	0203N	"THE ADSORPTION OF NITRIC OXIDE ON PLATINUM BLACK" OTTO,K.,SHELEF,M. JOURNAL OF CATALYSIS,V. 29,1973,P.138-145
	0205N	"A LOW TEMPERATURE CATALYTIC APPROACH TO NO(X) CONTROL" LAWSON,A. JOURNAL OF CATALYSIS,24,1972,P.297-305
	0207N	"ADSORPTIVITIES AND REACTIVITIES OF LOWER HYDROCARBONS DURING OXIDATION ON A SILVER CATALYST BY NITRIC OXIDE" BELOUSOV,V.M.,MULIK,I.Y.,RUBANIK,M.Y. TRANSLATED FROM KINETIKA I KATALIZ,V. 10,NO. 4,JULY-AUG. 1969,P.841-846
	0208N	"REACTION OF NITRIC OXIDE WITH HYDROGEN ON PLATINUM WHICH HAS BEEN PURIFIED UNDER SUPER-HIGH VACUUM" TRETYAKOV,I.I.,KORCHAK,V.N.,SHUR,B.R. TRANSLATED FROM KINETIKA KATALIZ,V. 13,NO.2,MAR.-APR. 1972,P.512-514
	0209N	"HNO AS AN INTERMEDIATE IN THE CATALYTIC REDUCTION OF NITRIC OXIDE" GONZALEZ,R.D.,AUDETTE,D.E. JOURNAL OF CATALYSIS,V. 17,NO.1,1970,P.116-118
	0210N	"CATALYTIC TREATMENT OF NITRIC ACID PLANT TAIL GAS" ANDERSEN,H.C.,GREEN,W.J.,STEELE,D.R. INDUSTRIAL AND ENGINEERING CHEMISTRY,V. 53,NO. 3,MAR. 1961,P.199-204

KEYWORD	ACC NO	TITLE
NOBLE-METAL-CAT	0211N	"STUDIES OF SURFACE REACTIONS BY NITROGEN - 15 ISOTOPE LABELING I. THE REACTION BETWEEN NITRIC OXIDE AND AMMONIA OVER SUPPORTED PLATINUM" OTTO,K.,SHELEF,M.,KUMMER,J.T. J. PHYS. CHEM.,74(13); 2690-2698,1970
	0212N	"STUDIES OF SURFACE REACTIONS OF NITRIC OXIDE BY ISOTOPE LABELING. IV, REDUCTION OF NITRIC OXIDE BY AMMONIA AND HYDROGEN OVER SUPPORTED RUTHENIUM" OTTO,K.,SHELEF,M. J. PHYS. CHEM.,85(5-6),308-322,1973
	0217N	"EXPERIMENTS FOR THE PRODUCTION OF INERT GAS FROM THE WASTE GASES OF A NITRIC ACID PLANT" PORZEL,W.,WOLFGANG,K. CHEM. TECH., 23(9); 537-539, SEPT. 1971
	0219N	"NITROGEN OXIDE POLLUTION; PROCESSING NITRIC ACID TAIL GAS" ADLHART,O.J.,HINDIN,S.G.,KENSON,R.F. CHEM. ENG. PROGR., 67(2); 73-78, 1971
	0220N	"POWER AND INDUSTRY; CONTROL OF NITROGEN OXIDE EMISSIONS" PERRINE,R.L.,LIMIN,H. PROJECT CLEAN AIR, CALIF. UNIV. BERKELEY, TASK FORCE 5, 1(9), SEPT. 1970
	0221N	"UTILIZATION OF TIED NITROGEN DURING CATALYTIC REDUCTION OF NITROGEN OXIDE" JAROS,S.,KRIZEK,J.,SEBEK,J. CZECH. PAT. 124669, OCT. 15, 1967

KEYWORD	ACC NO	TITLE
NOBLE-METAL-CAT	0222N	"METHOD OF REMOVING SULFUR DIOXIDE AND NITROGEN OXIDES FROM GASES" RYASON,P.R. U.S. PAT. 3,454,355, JULY 8, 1969
	0232N	"STABILITY OF NITRIC OXIDE OVER A LONG TIME INTERVAL" HOWARD,C.S.,DANIELS,G. J. PHYS. CHEM., 62(3); 360-1, 1958
	0233N	"THE CATALYTIC DECOMPOSITION OF NITRIC OXIDE AT THE SURFACE OF PLATINUM" GREEN,T.E.,HINSHELWOOD,C.N. J. CHEM. SOC., PP. 1709-13, 1926
	0234N	"DECOMPOSITION OF NITRIC OXIDE BY PLATINUM AT ELEVATED TEMPERATURES AND ITS RETARDATION BY OXYGEN" BACHMAN,P.W.,TAYLOR,G.G. J. PHYS. CHEM., 33; 447-55, 1929
	0238N	"KINETICS OF DECOMPOSITION OF NITRIC OXIDE" KAUFMAN,F.,KELSO,J.R. J. CHEM. PHYSICS, 21(4); 751, 1953
	0239N	"KINETICS OF THE DECOMPOSITION OF NITRIC OXIDE THE THE RANGE 700-1800 DEG." YUAN,E.L.,SLAUGHTER,J.I.,KOERNER,W.E.,DANIELS.F. J. PHYS. CHEM., 63(6); 952-6, 1959
	0240N	"CATALYTIC DECOMPOSITION OF NITRIC OXIDE" RIESZ,C.H.,MORRITZ,F.L.,FRANSON,K.D. AIR POLLUTION FOUNDATION REPORT, NO. 20, 22P., 1957

KEYWORD	ACC NO	TITLE
NOBLE-METAL-CAT	0244N	"CATALYSIS" LAIDLER,K.J. REINHOLD (P.H. EMMET ED.), NEW YORK. V. 1, 1954, P. 149
	0245N	"LA DECOMPOSITION DU BIOXYDE D AZOTE PAR LES CATALYSEURS DE PLATINE" ZAWADZKI,J.,PERLINSKI,G. COMPTES RENDUS, 198; 260, 1934
	0247N	"SECONDARY ION EMISSION STUDY OF THE CATALYTIC REACTIONS BETWEEN AMMONIA AND NITROUS OXIDE AND THE DECOMPOSITION OF NITROUS OXIDE ON PLATINUM" FOGEL,Y,M,NADYKTO,P.T.,SHVACHKO,V.I.,RYBALKO,V.F.,KOROBEHANS KINETIKA I KATALIZ, 5(5); 942-944, 1964
	0248N	"CATALYTIC REDUCTION OF NOX - PILOT PLANT OPERATION" ENVIRONICS INC. ENVIRONICS INC., HUNTINGTON BEACH, CA., PROGRESS REPORT, JUL Y 1973
	0252N	"CATALYSTS FOR AUTOMOTIVE POLLUTION CONTROL DEVICES" NOBE,K.,BAUERLE,G.L. FINAL REPORT, SCHOOL OF ENGINEERING AND APPLIED SCIENCES. U. C.L.A., SEPT. 1973
	0256N	"NITRIC OXIDE REDUCTION WITH H2 ON MIXED METAL OXIDE CATALYSTS" BAUERLE,G.L.,NOBE,K. IN PRESS, 1974

KEYWORD	ACC NO	TITLE
NOBLE-METAL-CAT	0258N	"AMMONIA FORMATION IN THE CATALYTIC REDUCTION OF NITRIC OXIDE. III. THE ROLE OF WATER GAS SHIFT, REDUCTION BY HYDROCARBONS AND STEAM REFORMING" SHELEF,M.,GANDHI,H.S. IND. ENG. CHEM., PROD. RES. DEVELOP., 13(1); 80-85, 1974
	0259N	"PROCESSING NITRIC ACID TAIL GAS" ADLHART,O.J.,HINDIN,S.G.,KENSON,R.F. CHEM. ENG. PROGRESS, 67(2), 73-78
OTHER-NOX-CAT	0007N	"THE CATALYTIC DECOMPOSITION OF NITRIC OXIDE BY METALLIC OXIDES" WINTER,E.R.S. JOURNAL OF CATALYSTS,V.22,1971,P.158-170
	0008N	"THE HETEROGENEOUS DECOMPOSITION OF NITRIC OXIDE WITH OXIDE CATALYSTS" FRASER,J.M.,DANIELS,F. JOURNAL OF PHYSICAL CHEMISTRY,V.62,FEB. 1958,P.215-222
	0018N	"PROCESS FOR REMOVING NITRIC OXIDE FROM GASEOUS MIXTURES" BAUM,W.H.,GRIST,J.G.,NAGLE,F.V. U.S. PATENT 3,428,414,FEB. 18,1969,6P.
	0031N	"CATALYST FOR COMPLETE REMOVAL OF OXIDES OF NITROGEN FROM AUTOMOBILE EXHAUST" KOSHIRO,I.,ET AL. SEIDEI DAIGAKU KOGAKUBU KAGAKU HOKOKU,V.7,1969,P.545-546(JAPAN)

KEYWORD	ACC NO	TITLE
OTHER-NOX-CAT	0041N	"EFFICIENT AND ECONOMICAL DECOMPOSITION OF OXIDES OF NITROGEN" HARRIS,S.W.,MORELLO,F.F.,PETERS,G.H. U.S. PATENT 3,459,494,AUG. 5,1969,2P.
	0043N	"CATALYST FOR NITROGEN OXIDE REDUCTION" KLIMISCH,R.L. U.S. PATENT 3,674,423,JULY 4,1972,2P.
	0068N	"A STUDY OF THE REACTION BETWEEN NITRIC OXIDE AND HYDROGEN SULPHIDE" PIERCE,J.A. JOURNAL OF PHYSICAL CHEMISTRY,V.33,NO.1,P.22-36,JAN. 1929
	0069N	"CATALYTIC DECOMPOSITION OF NITROGEN DIOXIDE" NOBE,K.,WIKSTROM,L.L. PREPRINT,AM. CHEM. SOC.,PITTSBURGH,DOV. WATER.AIR WASTE CHEM .,P.268-273,1963
	0070N	"SORPTION AND REACTIVITY OF NITROUS OXIDE AND NITRIC OXIDE IN CRYSTALLINE AND AMORPHOUS SILICEOUS SORBENTS" ADDISON,W.E.,BARRER,R.M. JOURNAL OF CHEM. SOC.,PT. 1,P.757-769,1955
	0072N	"KINETICS OF CATALYTIC DECOMPOSITION OF NITRIC OXIDE" HARDING,J.W. UNIV. MICROFILMS INC.,1969,76P.
	0085N	"CATALYTIC OXIDATION OF NITRIC OXIDE; PT. 1" KURIN,N.P.,BLOKH,I.O. ZH. PRIKL. KHIM.,V.11,NO.5,P.734-749,1938 (RUSSIAN)

KEYWORD	ACC NO	TITLE
OTHER-NOX-CAT	0125N	"METHOD TO MANUFACTURE VAPOR-PHASE OXIDATION CATALYST FOR SULFUROUS ACID GAS" NINOMIYA,N.,ICHIKAWA,H.,NISHINO,H. JAPAN. PATENT SHO 46-7571,FEB. 25,1971,2P.
	0154N	"CATALYTIC REMOVAL OF NOX IN GASES" INOUE,T. NENRYO KYOKAISHI (J. FUEL SOC. JAPAN, TOKYO),V.51,NO.1,P.19-24,JAN. 1972 (JAPANESE)
	0193N	"CATALYSTS FOR EXHAUST GAS TREATMENT" OKUYAMA,T.,SANO,M.,MANABE,S.,IWABUCHI,H. GER. OFFEN. 2252407 (B 01J, F 01N),MAY 30,1973,36P.
	0214N	"METHOD OF NITROGEN OXIDES REMOVAL" ENDO,A.,TETSU,T.,KEIZO,M. JAPAN, PAT. SHO 47-50982, 3P., DEC. 21,1972
	0232N	"STABILITY OF NITRIC OXIDE OVER A LONG TIME INTERVAL" HOWARD,C.S.,DANIELS,G. J. PHYS. CHEM., 62(3); 360-1, 1958
	0236N	"KINETICS OF DECOMPOSITION OF NITRIC OXIDE AT ELEVATED TEMPERATURES. I. RATE MEASUREMENTS IN A QUARTZ VESSEL" WISE,H.,FRECH,M.F. J. CHEM. PHYSICS, 20(1); 22-4, 1952
	0237N	"KINETICS OF DECOMPOSITION OF NO AT ELEVATED TEMPERATURES. II. THE EFFECT OF REACTION PRODUCTS AND THE MECHANISM OF DECOMPOSITION" WISE,H.,FRECH,M.F. J. CHEM. PHYSICS, 20(11); 1724-7, 1952

KEYWORD	ACC NO	TITLE
OTHER-NOX-CAT	0240N	"CATALYTIC DECOMPOSITION OF NITRIC OXIDE" RIESZ,C.H.,MORRITZ,F.L.,FRANSON,K.D. AIR POLLUTION FOUNDATION REPORT, NO. 20, 22P., 1957
	0241N	"SULFUR REMOVAL DURING COMBUSTION OF SOLID FUELS IN A FLUIDIZED BED OF DOLOMITE" ZIELKE,C.W.,LEBOWITZ,H.E.,STRUCK,R.T.,GORIN,E. AMER. CHEM. SOC., DIV. OF FUEL CHEMISTRY, 13(4); 13-29, 1969
	0250N	"REMOVAL OF NITROGEN OXIDES FROM COMBUSION GASES" BRENNAN,J.A. U.S. 3,015,369, MAY 23, 1960
	0252N	"CATALYSTS FOR AUTOMOTIVE POLLUTION CONTROL DEVICES" NOBE,K.,BAUERLE,G.L. FINAL REPORT, SCHOOL OF ENGINEERING AND APPLIED SCIENCES, U.C.L.A., SEPT. 1973
	0254N	"DEVELOPMENT OF A METHOD FOR THE ANALYSIS OF NO2 AND NH3 BY NO-MEASURING INSTRUMENTS" BREITENBACH,L.P.,SHELEF,M. J. OF THE AIR POLLUTION CONTROL ASSOC., 23(2): 128-131, 1973
	0256N	"NITRIC OXIDE REDUCTION WITH H2 ON MIXED METAL OXIDE CATALYSTS" BAUERLE,G.L.,NOBE,K. IN PRESS, 1974
OXIDN-W/OTHER	0018N	"PROCESS FOR REMOVING NITRIC OXIDE FROM GASEOUS MIXTURES" BAUM,W.H.,GRIST,J.G.,NAGLE,E.V. U.S. PATENT 3,428,414,FEB. 18,1969,6P.

KEYWORD	ACC NO	TITLE
OXIDN-W/O2	0016N	"CATALYTIC REDUCTION OF NITRIC OXIDE WITH CARBON MONOXIDE" BAUERLE,G.L.,SERVICE,G.R.,NOBE,K. I AND EC PRODUCT RESEARCH AND DEVELOPMENT,V.11,NO.1,MAR. 197 2,P.54-58
PATENTS	0041N	"EFFICIENT AND ECONOMICAL DECOMPOSITION OF OXIDES OF NITROGEN" HARRIS,S.W.,MORELLO,F.F.,PETERS,G.H. U.S. PATENT 3,459,494,AUG. 5,1969,2P.
	0043N	"CATALYST FOR NITROGEN OXIDE REDUCTION" KLIMISCH,R.L. U.S. PATENT 3,674,423,JULY 4,1972,2P.
	0052N	"ENGINE EXHAUST EMISSION CONTROL SYSTEM" TOURTELOTTE,J.F.,NEGRA,J.A.,ET AL. U.S. PATENT 3,699,683,OCT. 24,1972,3P.
	0054N	"CATALYST FOR TREATING EXHAUST GAS FROM INTERNAL COMBUSTION ENGINES" NEGRA,J.S.,WARSHAW,A. U.S. PATENT 3,701,822,OCT. 31,1972,3P.
	0055N	"CATALYSTS FOR REMOVAL OF SMOG-FORMING COMPONENTS FROM EXHAUST GASES" CLIFFORD,A.F.,JAFFE,J. U.S. PATENT 3,407,030,OCT. 22,1968,8P.
	0057N	"PROCESS FOR CATALYTICALLY TREATING EXHAUST GASES" ROTH,J.F. U.S. PATENT 3,493,325,FEB. 3,1970,9P.

KEYWORD	ACC NO	TITLE
PATENTS	0058N	"METHOD OF DECOMPOSING NITROGEN OXIDES" STEPHENS,R.E. U.S. PATENT 3,545,917,DEC. 8,1970,6P.
	0059N	"CATALYST COMPOSITION" STEPHENS,R.E. U.S. PATENT 3,524,721,AUG. 18,1970,6P.
	0060N	"CATALYTIC CONVERSION OF EXHAUST GAS IMPURITIES" KEARBY,K.K. U.S. PATENT 3,565,574,FEB. 23,1971,8P.
	0061N	"PROCESS FOR REMOVING NITROGEN WITH COBALT-RARE EARTH AND GROUP VI CATALYST" KOVACH,S.M.,ROGERS,E.S. U.S. PATENT 3,345,286,OCT. 3,1967,8P.
	0062N	"CATALYST FOR PURIFICATION OF EXHAUST GASES FROM MOTOR VEHICLES AND INDUSTRIAL PLANTS" KOBERSTEIN,E.,LAKATOS,E. U.S. PATENT 3,669,906,JUNE 13,1972,8P.
	0063N	"METHOD OF DECOMPOSING NITROGEN OXIDES" STEPHENS,R.E. U.S. PATENT 3,552,913,JAN. 5,1971,4P.
	0064N	"METHOD OF TREATING EXHAUST GASES OF INTERNAL COMBUSTION ENGINES" GROSS,G.P.,ET AL. U.S. PATENT 3,370,914,FEB. 27,1968,27P.

KEYWORD	ACC NO	TITLE
PATENTS	0073N	"METHOD OF REMOVING NITROGEN OXIDES FROM GASES" CHILDERS,E.,ELLIS,C.W.,RYAN,D.J. U.S. PATENT 3,125,408,MAR. 17,1964
	0074N	"METHOD OF REMOVING NITROGEN OXIDES FROM GASES" COHN,J.G.E. U.S. PATENT 3,118,727,JAN. 21,1964,4P.
	0090N	"METHOD FOR REMOVING NITROGEN OXIDES FROM GASES THROUGH CATALYTIC REDUCTION OF THESE SUBSTANCES TO NITROGEN" SCHMIDT,K. WEST GERMAN PATENT 1,259,298,JAN. 25,1968,2P. (GERMAN)
	0101N	"CATALYTIC PURIFICATION TREATMENT OF EXHAUST GAS" KEARBY,K.K.,LAND,R.J. U.S. PATENT 3,476,508,NOV. 4,1969,4P.
	0170N	"REMOVAL OF AMMONIA FROM GAS" MERKEL,H. W. GER. PATENT APPL. 2,026,657,JUNE 1,1970,10P.
	0171N	"CATALYTIC PURIFICATION OF COMBUSTION GASES" HISADA,S. GER. PATENT 2,119,897,NOV. 18,1971,11P. (GERMAN)
	0183N	"REDUCTION CATALYST FOR NITRIC OXIDE IN EXHAUST AND FLUE GASES" STENZEL,J.,HARNISCH,H.,KNAPSACK,A.G. GER. OFFEN. 2165550 (B 01J),JULY 5,1973,12P.

KEYWORD	ACC NO	TITLE
PATENTS	0184N	"REDUCTION OF NITROGEN OXIDE IN EXHAUST AND WASTE GASES" STENZEL,J.,KNAPSACK,A.G. GER. OFFEN. 2165548 (B 01D),JULY 5,1973,15P.
	0194N	"OXIDATION OF NITROGEN MONOXIDE" TAKEYAMA,T.,ENDO,R.,MASUDA,K. JAPAN. KOKAI 73 32795 (15 B22),MAY 2,1973,3P.
	0195N	"CATALYTIC PURIFICATION OF WASTE GASES FROM NITRIC ACID MANUFACTURE" COLLINS,M.F.,MICHALEK,R. GER. OFFEN. 2255732 (C 01B),MAY 24,1973,16P.
	0198N	"CONTROL OF NITROGEN OXIDES EMISSION FROM ENGINES" TOURTELLOTEE,J.F.,NEGRA,J.S.,WARSHAW,A.,VILLIERSFISHER,J. U.S. 3739583, JUNE 19,1973,5P.
	0199N	"PALLADIUM-PLATINUM CATALYSTS FOR DECOMPOSITION OF NITROGEN OXIDES" TSUNOI,K.,TADA,K. JAPAN. KOKAI 73 15785,FEB. 28,1973,3P.
	0200N	"REDUCTION OF NITROGEN OXIDE IN EXHAUST GAS FROM INTERNAL COMBUSTION ENGINES" HORIE,K.,YAMAUCHI,S.,HARA,J.,OHHARA,T. JAPAN. KOKAI 73 42989,JUNE 21,1973,6P.
	0201N	"CATALYSTS FOR THE REDUCTION OF NITROGEN OXIDES" GERHARD,M.,SIEPMANN,R.,KUMMER,F. GER. OFFEN. 2151958 (B 01J),APR. 26,1973,10P.

KEYWORD	ACC NO	TITLE
PATENTS	0202N	"CATALYST FOR REDUCING NITROGEN OXIDES" KOOKI,Y.,OKAMOTO,O.,KAWAKAMI,A.,WATANABE,S. JAPAN. KOKAI 73 28391 (13(9)G11),APR. 14,1973.3P.
	0214N	"METHOD OF NITROGEN OXIDES REMOVAL" ENDO,A.,TETSU,T.,KEIZO,M. JAPAN, PAT. SHO 47-50982, 3P., DEC. 21,1972
	0215N	"METHOD FOR REMOVING NITROGEN OXIDES FROM WASTE GASES" ENDO,A.,TETSU,T.,KEIZO,M. JAPAN PAT. SHO 47-50981, 3P., DEC. 21, 1972
	0218N	"CONTACT TYPE REMOVAL METHOD FOR NO CONTAINED IN GAS MANUFACTURED FROM COAL, COKE, OR OIL" OKI,T.,TETSU,A.,AKIRA,T.,SHIGERU,H. JAPAN PAT. SHO 46-18383, 4P., MAY 22, 1971
	0221N	"UTILIZATION OF TIED NITROGEN DURING CATALYTIC REDUCTION OF NITROGEN OXIDE" JAROS,S.,KRIZEK,J.,SEBEK,J. CZECH. PAT. 124669, OCT. 15, 1967
	0225N	"COBALT SULFIDE AND NICKEL SULFIDE CATALYSTS FOR REDUCTION OF NITROGEN OXIDES IN EXHAUST GASES" POMOT,J.L.F. GER. OFFEN. 2307342 (B01J), AUG. 30, 1973
	0226N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM AUTOMOTIVE EXHAUST GASES" SIMIZU,I.,DAWASAKI,M. JAPAN. KOKAI 73 71366(13(7)A11, 51 D51, 13(9) G3),SEPT. 27, 1973

KEYWORD	ACC NO	TITLE
PATENTS	0227N	"CATALYST FOR WASTE GAS TREATMENT" HOSODA,H.,KAWAKAMI,A.,OKAMOTO,O.,MIYAMOTO,A. JAPAN. KOKAI 73 55190 (13(9)G11), AUG. 2, 1973
	0228N	"CATALYST FOR REMOVING NITROGEN OXIDES" HASEGA,O.,YOKOTA,S. JAPAN. KOKAI 73 55890 (13(9)G11), AUG. 6, 1973
	0229N	"COPPER-IRON-NICKEL ALLOY CATALYSTS FOR REMOVAL OF NITRIC OXIDE FROM AUTOMOTIVE EXHAUST GASES" NIIMI,I.,MORITA,A.,MENOTO,Y.,SATO,M. GER. OFFEN. 2306785 (C 22C), AUG. 23, 1973
	0230N	"CHROMIUM OXIDE-IRON OXIDE-NICKEL OXIDE CATALYSTS FOR TREATMENT OF AUTOMOTIVE EXHAUST GASES" OKUYAMA,T.,SANO,M.,MINE,J. GER. OFFEN. 2308789 (B01J), AUG. 30,1973
	0242N	"SELECTIVE REMOVAL OF NITROGEN OXIDES FROM OXYGEN-CONTAINING GASES ESPECIALLY FROM NITRIC ACID PRODUCTI COHN,J.,STEELE,D.R.,ANDERSEN,H.C. U.S. 2,975,025,NOV. 5, 1971
	0250N	"REMOVAL OF NITROGEN OXIDES FROM COMBUSION GASES" BRENNAN,J.A. U.S. 3,015,369, MAY 23, 1960
POWER-PLANTS	0030N	"STUDIES ON A NEW METHOD OF SIMULTANEOUSLY REMOVING SULFUR DIOXIDE AND OXIDES OF NITROGEN FROM COMBUSTION GASES" RYASON,P.R.,HARKINS,J. JOURNAL OF THE AIR POLLUTION CONTROL ASSOCIATION,V.17,NO.12, DEC. 1967,P.796-799

KEYWORD	ACC NO	TITLE
POWER-PLANTS	0176N	"CATALYTIC REMOVAL OF NITROGEN OXIDES, CARBON MONOXIDE AND HYDROCARBONS FROM COMBUSTION EXHAUST STREAMS" TAYLOR,F.R. FRANKLIN INSTITUTE LABORATORIES,PHILADELPHIA,PA.,1959,18P.
	0178N	"SYSTEMS STUDY OF NITROGEN OXIDE CONTROL METHODS FOR STATIONARY SOURCES" BARTOK,W.,ET AL. ESSO RESEARCH AND ENGINEERING CO.,FINAL RPT.,V. 2,NO. GR-2-M PS-69,NOV. 20,1969 (PB 192-789)
	0220N	"POWER AND INDUSTRY; CONTROL OF NITROGEN OXIDE EMISSIONS" PERRINE,R.L.,LIMIN,H. PROJECT CLEAN AIR, CALIF. UNIV. BERKELEY, TASK FORCE 5, 1(9) , SEPT. 1970
	0222N	"METHOD OF REMOVING SULFUR DIOXIDE AND NITROGEN OXIDES FROM GASES" RYASON,P.R. U.S. PAT. 3,454,355, JULY 8, 1969
	0248N	"CATALYTIC REDUCTION OF NOX - PILOT PLANT OPERATION" ENVIRONICS INC. ENVIRONICS INC., HUNTINGTON BEACH, CA., PROGRESS REPORT, JUL Y 1973
RARE-EARTH-CAT	0007N	"THE CATALYTIC DECOMPOSITION OF NITRIC OXIDE BY METALLIC OXIDES" WINTER,E.R.S. JOURNAL OF CATALYSTS,V.22,1971,P.158-170

KEYWORD	ACC NO	TITLE
RARE-EARTH-CAT	0025N	"TUNGSTEN BRONZES AND MIXED COBALT OXIDES AS POTENTIAL CATALYSTS FOR POLLUTION CONTROL" BAUERLE,G.L.,THOMAS,N.T.,NOBE,K. CHEMICAL ENGINEERING JOURNAL,V.4,1972,P.199-200
	0058N	"METHOD OF DECOMPOSING NITROGEN OXIDES" STEPHENS,R.E. U.S. PATENT 3,545,917,DEC. 8,1970,6P.
	0059N	"CATALYST COMPOSITION" STEPHENS,R.E. U.S. PATENT 3,524,721,AUG. 18,1970,6P.
	0061N	"PROCESS FOR REMOVING NITROGEN WITH COBALT-RARE EARTH AND GROUP VI CATALYST" KOVACH,S.M.,ROGERS,E.S. U.S. PATENT 3,345,286,OCT. 3,1967,8P.
	0063N	"METHOD OF DECOMPOSING NITROGEN OXIDES" STEPHENS,R.E. U.S. PATENT 3,552,913,JAN. 5,1971,4P.
	0088N	"THE DECOMPOSITION OF NITROUS OXIDE ON THE RARE EARTH SESQUIOXIDES AND RELATED OXIDES" WINTER,E.R.S. JOURNAL OF CATALYSIS,V.15,NO.2,P.144-152,1969
	0140N	"CATALYTIC CONTROL OF NOX EMISSIONS FROM MOBILE SOURCES (FINAL REPORT)" SEEGALL,M.I.,NAPIER,J.C.,COMPTON,W.A. INTERNATIONAL HARVESTER CO.,SAN DIEGO,CA.,RESEARCH LABS.,REPT. RDR 1700,143P.,DEC. 1971

KEYWORD	ACC NO	TITLE
RARE-EARTH-CAT	0205N	"A LOW TEMPERATURE CATALYTIC APPROACH TO NO(X) CONTROL" LAWSON,A. JOURNAL OF CATALYSIS,24,1972,P.297-305
	0220N	"POWER AND INDUSTRY; CONTROL OF NITROGEN OXIDE EMISSIONS" PERRINE,R.L.,LIMIN,H. PROJECT CLEAN AIR, CALIF. UNIV. BERKELEY, TASK FORCE 5, 1(9) , SEPT. 1970
	0227N	"CATALYST FOR WASTE GAS TREATMENT" HOSODA,H.,KAWAKAMI,A.,OKAMOTO,O.,MIYAMOTO,A. JAPAN. KOKAI 73 55190 (13(9)G11), AUG. 2, 1973
	0230N	"CHROMIUM OXIDE-IRON OXIDE-NICKEL OXIDE CATALYSTS FOR TREATMENT OF AUTOMOTIVE EXHAUST GASES" OKUYAMA,T.,SANO,M.,MINE,J. GER. OFFEN. 2308789 (B01J), AUG. 30,1973
	0232N	"STABILITY OF NITRIC OXIDE OVER A LONG TIME INTERVAL" HOWARD,C.S.,DANIELS,G. J. PHYS. CHEM., 62(3); 360-1, 1958
	0240N	"CATALYTIC DECOMPOSITION OF NITRIC OXIDE" RIESZ,C.H.,MORRITZ,F.L.,FRANSON,K.D. AIR POLLUTION FOUNDATION REPORT, NO. 20, 22P., 1957
	0243N	"FORMS OF OXYGEN BONDS ON THE SURFACE OF OXIDATION CATALYSTS" BORESKOV,G.K. DISC. FARADAY SOC., 41; 263, 1966

KEYWORD	ACC NO	TITLE
RARE-EARTH-CAT	0246N	"ANALYSIS OF THE PRE-EXPONENTIAL FACTOR FOR THE HETEROGENEOUS CATALYTIC DECOMPOSITION OF NITRIC OXIDE" GODOLETS,G.I. KINETIKA I KATALIZ, 6(6); 1123-1124, 1965
	0252N	"CATALYSTS FOR AUTOMOTIVE POLLUTION CONTROL DEVICES" NOBE,K.,BAUERLE,G.L. FINAL REPORT, SCHOOL OF ENGINEERING AND APPLIED SCIENCES, U.C.L.A., SEPT. 1973
	0253N	"NEW OXIDE CATALYST WITH PEROVSKITE-RELATED STRUCTURE FOR REDUCTION OF NO WITH NH3" KUDO,T.,MANABE,T.,GEJO,T.,SEKI,M.,YOSHIDA,K. PRESENTED AT 167TH MEETING OF AM. CHEM. SOC., DIV. OF WATER, AIR AND WASTE CHEM., LOS ANGELES,CA., APR. 1974
	0256N	"NITRIC OXIDE REDUCTION WITH H2 ON MIXED METAL OXIDE CATALYSTS" BAUERLE,G.L.,NOBE,K. IN PRESS, 1974
RED-W/GAS-MIXT	0039N	"PROCESS FOR CATALYTICALLY REDUCING NITROGEN OXIDES IN INDUSTRIAL STACK GASES" CHILDERS,E.,ELLIS,C.W.,RYAN,D.J. U.S. PATENT 2,910,343,OCT. 27,1959,7P.
	0177N	"AMMONIA FORMATION IN CATALYTIC REDUCTION OF NITRIC OXIDE BY MOLECULAR HYDROGEN" SHELEF,M.,GANDHI,H.S. I AND EC PRODUCT RESEARCH AND DEVELOPMENT,V. 11,DEC. 1972,P. 393-396

KEYWORD	ACC NO	TITLE
RED-W/GAS-MIXT	0179N	"THE CATALYTIC REDUCTION OF NITRIC OXIDE IN AUTOMOBILE EXHAUST GASES - I. TESTS OF IRON-CONTAINING MATERIALS" JENKINS,D.R.,VOISEY,M.A. ATMOSPHERIC ENVIRONMENT,V. 7,1973,P.177-186
	0197N	"THE CATALYTIC REDUCTION OF NITRIC OXIDE OVER SUPPORTED RUTHENIUM CATALYSTS" TAYLOR,K.,KLIMISCH,R.L. JOURNAL OF CATALYSIS,V. 30,NO. 3,1973,P.478-484
	0210N	"CATALYTIC TREATMENT OF NITRIC ACID PLANT TAIL GAS" ANDERSEN,H.C.,GREEN,W.J.,STEELE,D.R. INDUSTRIAL AND ENGINEERING CHEMISTRY,V. 53,NO. 3,MAR. 1961,P .199-204
	0211N	"STUDIES OF SURFACE REACTIONS BY NITROGEN - 15 ISOTOPE LABELING I. THE REACTION BETWEEN NITRIC OXIDE AND AMMONIA OVER SUPPORTED PLATINUM" OTTO,K.,SHELEF,M.,KUMMER,J.T. J. PHYS. CHEM.,74(13); 2690-2698,1970
	0212N	"STUDIES OF SURFACE REACTIONS OF NITRIC OXIDE BY ISOTOPE LABELING. IV, REDUCTION OF NITRIC OXIDE BY AMMONIA AND HYDROGEN OVER SUPPORTED RUTHENIUM" OTTO,K.,SHELEF,M. J. PHYS. CHEM.,85(5-6),308-322,1973
	0213N	"DRY CATALYTIC REDUCING REACTION FOR NITROGEN OXIDES" KASAOKA,N.,MOTOO,K.,SETSUO,I. PREPRINT,JAPAN SOCIETY OF CHEMICAL ENGINEERING. TOKYO, P. 25 -27, 1973

KEYWORD	ACC NO	TITLE
RED-W/GAS-MIXT	0216N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,RAKOWSKY,F.W.,HIRSCHBERG,E.H.,LANG,C.R.,SCHOC SOC. AUTOMOT. ENGRS., SPEC. PUB. NO. 370, 24P., MAY 1972
	0223N	"CATALYTIC ACTIVITY OF SPINELS AND THEIR OXIDE CONTENT IN THE REACTION OF NITRIC OXIDE WITH CARBON MONOXIDE" VLADENKI,V.M.,YUZEFOVICH,G.E.,NEPIYUSHCHAYA,R.P. INST. FIZ. KHIM. IM. PISARZHEVSKOGO, KIEV, USSR, KATAL. KATAL, (KAKAA), NO. 10, 81-5, 1973
	0224N	"CATALYTIC CHEMISTRY OF NITRIC OXIDE. I. EFFECT OF WATER ON THE REDUCTION OF NITRIC OXIDE OVER SUPPORTED CHROMIUM AND IRON OXIDES" KOBYLINSKI,T.P.,TAYLOR,B.W. J. CATAL., 31(3), 450-458, 1973
	0252N	"CATALYSTS FOR AUTOMOTIVE POLLUTION CONTROL DEVICES" NOBE,K.,BAUERLE,G.L. FINAL REPORT, SCHOOL OF ENGINEERING AND APPLIED SCIENCES. U.C.L.A., SEPT. 1973
	0253N	"NEW OXIDE CATALYST WITH PEROVSKITE-RELATED STRUCTURE FOR REDUCTION OF NO WITH NH3" KUDO,T.,MANABE,T.,GEJO,T.,SEKI,M.,YOSHIDA,K. PRESENTED AT 167TH MEETING OF AM. CHEM. SOC., DIV. OF WATER, AIR AND WASTE CHEM., LOS ANGELES,CA., APR. 1974
	0255N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,RADOWSKY,F.W.,HERSCHBERG,E.H.,LANG,C.R.,SCHOC S.A.E. PAPER 720480, MAY 1972

KEYWORD	ACC NO	TITLE
RED-W/SULF-COMP	0068N	"A STUDY OF THE REACTION BETWEEN NITRIC OXIDE AND HYDROGEN SULPHIDE" PIERCE,J.A. JOURNAL OF PHYSICAL CHEMISTRY,V.33,NO.1,P.22-36,JAN. 1929
	0138N	"REMOVAL OF SULFUR DIOXIDE FROM WASTE GASES BY REDUCTION TO ELEMENTAL SULFUR (FINAL REPORT)" TURO,R.F.,MAGDER,J.,GODING,A.T. PRINCETON CHEMICAL RESEARCH INC.,N.J.,295P.,JULY 30,1969
REDXN-W/CO	0009N	"APPERANCE OF N2O IN THE CATALYTIC REDUCTION OF NO BY CO" SHELEF,M.,OTTO,K. JOURNAL OF CATALYSTS,V.10,1968,P.408-413
	0011N	"SELECTIVE CATALYTIC REACTION OF HYDROGEN WITH NITRIC OXIDE IN THE PRESENCE OF OXYGEN" JONES,J.H.,ET AL. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,SEP. 1971,P.790-798
	0013N	"AMMONIA INTERMEDIACY AS A BASIS FOR CATALYST SELECTION FOR NITRIC OXIDE REDUCTION" KLIMISCH,R.L.,TAYLOR,K.C. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.7,NO.2,FEB. 1972,P.12 7-131
	0016N	"CATALYTIC REDUCTION OF NITRIC OXIDE WITH CARBON MONOXIDE" BAUERLE,G.L.,SERVICE,G.R.,NOBE,K. I AND EC PRODUCT RESEARCH AND DEVELOPMENT,V.11,NO.1,MAR. 197 2,P.54-58

KEYWORD	ACC NO	TITLE
REDXN-W/CO	0017N	"AMMON FORMATION IN CATALYTIC REDUCTION OF NITRIC OXIDE BY MOLECULAR HYDROGEN" SHELEF,M.,GANDHI,H.S. IND. ENG. CHEM. PROD. RES. DEVELOP.,V.11,NO.1.MAR. 1972,P.2-11
	0019N	"PREREDUCED CUPRIC OXIDE-COBALTIC OXIDE REDOX CATALYSTS" BAKER,R.A.,DOERR,R.C. U.S. PATENT 3,398,101,AUG. 20,1968,8P.
	0025N	"TUNGSTEN BRONZES AND MIXED COBALT OXIDES AS POTENTIAL CATALYSTS FOR POLLUTION CONTROL" BAUERLE,G.L.,THOMAS,N.T.,NOBE,K. CHEMICAL ENGINEERING JOURNAL,V.4,1972,P.199-200
	0026N	"NITRIC OXIDE REDUCTION WITH CO AND C3 HYDROCARBON OXIDATION ON CU-AL2O3-EFFECT OF LEAD" SORENSEN,L.L.C.,NOBE,K. I AND EC PRODUCT RESEARCH AND DEVELOPMENT,V.11,NO.4,DEC. 1972,P.423-425
	0027N	"CATALYTIC REDUCTION OF NITROGEN DIOXIDE BY CARBON MONOXIDE" AYEN,R.J.,YONEBAYASHI,T. ATMOSPHERIC ENVIRONMENT,V.1,1967,P.307-318
	0028N	"CATALYZED NITRIC OXIDE REDUCTION WITH CARBON MONOXIDE" BAKER,R.A.,DOERR,R.C. I AND EC PROCESS DESIGN AND DEVELOPMENT,V.4,NO.2,APR. 1965,P.188-190

KEYWORD	ACC NO	TITLE
REDXN-W/CO	0030N	"STUDIES ON A NEW METHOD OF SIMULTANEOUSLY REMOVING SULFUR DIOXIDE AND OXIDES OF NITROGEN FROM COMBUSTION GASES" RYASON,P.R.,HARKINS,J. JOURNAL OF THE AIR POLLUTION CONTROL ASSOCIATION,V.17,NO.12, DEC. 1967,P.796-799
	0031N	"CATALYST FOR COMPLETE REMOVAL OF OXIDES OF NITROGEN FROM AUTOMOBILE EXHAUST" KOSHIRO,I.,ET AL. SEIDEI DAIGAKU KOGAKUBU KAGAKU HOKOKU,V.7,1969,P.545-546(JAPAN)
	0057N	"PROCESS FOR CATALYTICALLY TREATING EXHAUST GASES" ROTH,J.F. U.S. PATENT 3,493,325,FEB. 3,1970,9P.
	0064N	"METHOD OF TREATING EXHAUST GASES OF INTERNAL COMBUSTION ENGINES" GROSS,G.P.,ET AL. U.S. PATENT 3,370,914,FEB. 27,1968,27P.
	0093N	"CATALYTIC REDUCTION OF NITRIC OXIDE" SHELEF,M. PROC.,FIRST NATL. SYMP. ON HETEROGENEOUS CATALYSIS FOR CONTROL OF AIR POLLUTION,PHILADELPHIA,NOV. 1968,P.87-112
	0101N	"CATALYTIC PURIFICATION TREATMENT OF EXHAUST GAS" KEARBY,K.K.,LAND,R.J. U.S. PATENT 3,476,508,NOV. 4,1969,4P.

KEYWORD	ACC NO	TITLE
REDXN-W/CO	0112N	"UTILIZATION OF CATALYST IN AIR POLLUTION CONTROL" YAMANAKA,T. KAGAKU KOGYO (TOKYO),V.22,NO.3,P.102-108,MAR. 1971
	0115N	"DESIGN, CONSTRUCTION AND TESTING OF CATALYTIC AFTERBURNERS FOR REMOVAL OF AIR POLLUTANTS FORMED IN AUTOMOTIVE AND STATIONARY COMBUSTION PROCESSES" BAUERLE,G.L.,NOBE,K. IN PROJECT CLEAN AIR,V.1,U.C.L.A. SCHOOL OF ENGINEERING,RESEARCH PROJ. S-2,46P.,SEP. 1,1970
	0117N	"BENCH SCALE INVESTIGATION OF INCRA CATALYST FOR THE TREATMENT OF NITRIC ACID MANUFACTURING PLANT ATMOSPHERIC EMI CHEMICAL CONSTRUCTION CORP. CHEMICAL CONSTRUCTION CORP.,NEW YORK,CONSULTING DIV.,FINAL REPT. 0053C,87P.,MAR. 1969
	0121N	"CATALYSTS FOR PURIFICATION OF AUTOMOBILE EXHAUST GAS; (II),CONTACT REDUCTION BY CO AND C3H8 OF NO" NAKAJIMA,F.,TAKEUCHI,M. PREPRINT, JAPAN CHEMICAL SOCIETY,TOKYO,1P.,1971 (JAPANESE)
	0129N	"THE EFFECT OF LEAD ON THE CATALYTIC REDUCTION OF NITRIC OXIDE WITH CARBON MONOXIDE ON CU-AL203" SORENSEN,L.,L.,NOBE,K. PREPRINT, AMERICAN CHEMICAL SOCIETY,WASHINGTON,DIV. OF WATER,AIR,AND WASTE CHEMISTRY,5P.,1971
	0130N	"CATALYTIC MECHANISMS FOR NITROGEN OXIDES REDUCTION (FINAL REPT.)" PETERS,M.S. COLORADO UNIV.,BOULDER,ENGINEERING RESEARCH CENTER,GRANT ORG/NAPCA AP 00388,15P.,MAR. 1,1971

KEYWORD	ACC NO	TITLE
REDXN-W/CO	0132N	"CATALYTIC REDUCTION OF OXIDES OF NITROGEN (FINAL REPT.)" PETERSEN,E.E.,BELL,A.T. UNIV. OF CALIF.,BERKELEY,DEPT. OF CHEMICAL ENGINEERING,GRANT AP-00387,6P.,1970
	0143N	"THE ADSORPTION OF NITRIC OXIDE AND CARBON MONOXIDE IN NICKEL OXIDE" GANDHI,H.S.,SHELEF,M. JOURNAL OF CATALYSIS,V.24,NO.2,P.241-249,FEB. 1972
	0148N	"CHEMISTRY OF CATALYTIC NITROGEN OXIDE REDUCTION IN AUTOMOTIVE EXHAUST GAS" KLIMISCH,R.L.,BARNES,G.J. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.6,NO.6,P.543-548,JUNE 1972
	0152N	"REDUCTION SPEED (BY CARBON MONOXIDE AND HYDROCARBONS) OF NITROGEN OXIDES; EXAMINATIONS USING COPPER COPRECIPITATION CATALYSTS" KASAOKA,T.,TSUMAKI,N.,KITAMURA,J. PREPRINT, JAPAN SOCIETY OF CHEMICAL ENGINEERING,TOKYO,P.74-76,1972 (JAPANESE)
	0161N	"CATALYTIC REDUCTION OF 50 - 5000 PARTS-PER-MILLION NITRIC OXIDE BY CARBON MONOXIDE" FORCE,E.L.,AYEN,R.J. PREPRINT, CALIF. UNIV., BERKELEY,DEPT. OF CHEMICAL ENGIN. AND STAUFFER CHEMICAL CO.,RICHMOND,CA.,65P.,1972
	0162N	"KINETIC STUDIES OF THE N2O-CO REACTION CATALYZED BY CHROMIUM-PROMOTED IRON OXIDE" LEECH,C.A.,PETERS,M.S. PREPRINT, AMERICAN INST. OF CHEMICAL ENGINEERS,NEW YORK,15P.,1971,FROM 64TH MEETING

KEYWORD	ACC NO	TITLE
REDXN-W/CO	0164N	"CATALYTIC REDUCTION OF WASTE NITROGEN OXIDFS" JAROS,S.,KRIZEK,J. CHEM. PRUMYSL (PRAGUF),17/42(11),P.581-586,1967 (C7ECH.)
	0167N	"THE OXIDATION OF CO BY O2 AND BY NO ON SUPPORTED CHROMIUM OXIDE AND OTHER METAL OXIDE CATALYSTS" SHELEF,M.,OTTO,K.,GANDHI,H. JOURNAL OF CATALYSIS,V.12,NO.4,P.361-375,1968
	0169N	"THE APPLICATION OF COPPER-SILICA CATALYST FOR THE REMOVAL OF NITROGEN OXIDES PRESENT IN LOW CONCENTRATIONS BY CHEMICAL REDUCTION WITH CARBON MONOXIDE OR HYDROGEN" SOURIRAJAN,S.,BLUMENTHAL,J.L. INTERNATIONAL JOURNAL OF AIR WATER POLLUTION (LONDON),V.5,NO.1,P.24-33,1961
	0176N	"CATALYTIC REMOVAL OF NITROGEN OXIDES, CARBON MONOXIDE AND HYDROCARBONS FROM COMBUSTION EXHAUST STREAMS" TAYLOR,F.R. FRANKLIN INSTITUTE LABORATORIES,PHILADELPHIA,PA.,1959,18P.
	0179N	"THE CATALYTIC REDUCTION OF NITRIC OXIDE IN AUTOMOBILE EXHAUST GASES - I. TESTS OF IRON-CONTAINING MATERIALS" JENKINS,D.R.,VOISEY,M.A. ATMOSPHERIC ENVIRONMENT,V. 7,1973,P.177-186
	0185N	"SIMULTANEOUS CATALYTIC REDUCTION OF NITRIC OXIDE AND SULFUR DIOXIDE BY CARBON MONOXIDE" QUINLAN,C.W.,OKAY,V.C.,KITTRELL,J.R. IND. ING. CHEM. PROCESS DES. DEVELOP.,V. 12,NO.3,1973,P.359-365

KEYWORD	ACC NO	TITLE
REDXN-W/CO	0196N	"ISOCYANATE INTERMEDIATES IN THE REACTION NO-CO OVER A PT/AL2O3 CATALYST" UNLAND,M.L. JOURNAL OF PHYSICAL CHEMISTRY,V. 77,NO. 16, 1973,P.1952-1956
	0197N	"THE CATALYTIC REDUCTION OF NITRIC OXIDE OVER SUPPORTED RUTHENIUM CATALYSTS" TAYLOR,K.,KLIMISCH,R.L. JOURNAL OF CATALYSIS,V. 30,NO. 3,1973,P.478-484
	0213N	"DRY CATALYTIC REDUCING REACTION FOR NITROGEN OXIDES" KASAOKA,N.,MOTOO,K.,SETSUO,I. PREPRINT,JAPAN SOCIETY OF CHEMICAL ENGINEERING, TOKYO, P. 25 -27, 1973
	0216N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,RAKOWSKY,F.W.,HIRSCHBERG,E.H.,LANG,C.R.,SCHOC SOC. AUTOMOT. ENGRS., SPEC. PUB. NO. 370, 24P., MAY 1972
	0218N	"CONTACT TYPE REMOVAL METHOD FOR NO CONTAINED IN GAS MANUFACTURED FROM COAL, COKE, OR OIL" OKI,T.,TETSU,A.,AKIRA,T.,SHIGERU,H. JAPAN PAT. SHO 46-18383, 4P., MAY 22, 1971
	0220N	"POWER AND INDUSTRY; CONTROL OF NITROGEN OXIDE EMISSIONS" PERRINE,R.L.,LIMIN,H. PROJECT CLEAN AIR, CALIF. UNIV. BERKELEY, TASK FORCE 5, 1(9) , SEPT. 1970
	0222N	"METHOD OF REMOVING SULFUR DIOXIDE AND NITROGEN OXIDES FROM GASES" RYASON,P.R. U.S. PAT. 3,454,355, JULY 8, 1969

KEYWORD	ACC NO	TITLE
REDXN-W/CO	0223N	"CATALYTIC ACTIVITY OF SPINELS AND THEIR OXIDE CONTENT IN THE REACTION OF NITRIC OXIDE WITH CARBON MONOXIDE" VLADENKI,V.M.,YU7FFOVICH,G.F.,NEPIYUSHCHAYA,R.P. INST. FIZ. KHIM. IM. PISARZHEVSKOGO, KIEV, USSR, KATAL. KATAL. (KAKAA), NO. 10, 81-5, 1973
	0224N	"CATALYTIC CHEMISTRY OF NITRIC OXIDE. I. EFFECT OF WATER ON THE REDUCTION OF NITRIC OXIDE OVER SUPPORTED CHROMIUM AND IRON OXIDES" KOBYLINSKI,T.P.,TAYLOR,B.W. J. CATAL., 31(3), 450-458, 1973
	0225N	"COBALT SULFIDE AND NICKEL SULFIDE CATALYSTS FOR REDUCTION OF NITROGEN OXIDES IN EXHAUST GASES" POMOT,J.L.E. GER. OFFEN. 2307342 (B01J), AUG. 30, 1973
	0226N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM AUTOMOTIVE EXHAUST GASES" SIMIZU,I.,DAWASAKI,M. JAPAN. KOKAI 73 71366(13(7)A11, 51 D51, 13(9) G3),SEPT. 27, 1973
	0228N	"CATALYST FOR REMOVING NITROGEN OXIDES" HASEGA,O.,YOKOTA,S. JAPAN. KOKAI 73 55890 (13(9)G11), AUG. 6, 1973
	0229N	"COPPER-IRON-NICKEL ALLOY CATALYSTS FOR REMOVAL OF NITRIC OXIDE FROM AUTOMOTIVE EXHAUST GASES" NIIMI,I.,MORITA,A.,MENOTO,Y.,SATO,M. GER. OFFEN. 2306785 (C 22C), AUG. 23, 1973

KEYWORD	ACC NO	TITLE
REDXN-W/CO	0230N	"CHROMIUM OXIDE-IRON OXIDE-NICKEL OXIDE CATALYSTS FOR TREATMENT OF AUTOMOTIVE EXHAUST GASES" OKUYAMA,T.,SANO,M.,MINE,J. GER. OFFEN. 2308789 (B01J), AUG. 30,1973
	0250N	"REMOVAL OF NITROGEN OXIDES FROM COMBUSION GASES" BRENNAN,J.A. U.S. 3,015,369, MAY 23, 1960
	0251N	"STUDY OF CATALYTIC CONTROL OF EXHAUST EMISSIONS FOR OTTO CYCLE ENGINES" YOLLES,R.S.,WISE,H.,BERRIMAN,L.P. STANFORD RESEARCH INSITIUTE, FINAL REPORT, IRVINE, CA., APR. 1970
	0252N	"CATALYSTS FOR AUTOMOTIVE POLLUTION CONTROL DEVICES" NOBE,K.,BAUERLE,G.L. FINAL REPORT, SCHOOL OF ENGINEERING AND APPLIED SCIENCES, U.C.L.A., SEPT. 1973
	0255N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,RADOWSKY,F.W.,HERSCHBERG,E.H.,LANG,C.R.,SCHOC S.A.E. PAPER 720480, MAY 1972
REDXN-W/FUEL	0002N	"THE CONTROL OF AUTOMOTIVE EMISSIONS WITH DUAL BED CATALYST SYSTEMS" BERNSTEIN,L.S.,RAMAN,A.K.,WIGG,F.E. PAPER PRESENTED TO 1971 TECHNICAL SESSION; ENGINES AND EMISSIONS,CENTRAL STATES SECTION,THE COMBUSTION INST.,MAR. 1971

KEYWORD	ACC NO	TITLE
REDXN-W/FUEL	0003N	"EFFECT OF CATALYTIC CONVERTERS ON AUTOMOTIVE AMMONIA EMISSIONS" HUNTER,J.E. PAPER PRESENTED AT CENTRAL STATES SECTION,COMBUSTION INSTITUTE,ANN ARBOR,MICH.,MAR. 1971,GMR-1061,12P.
	0030N	"STUDIES ON A NEW METHOD OF SIMULTANEOUSLY REMOVING SULFUR DIOXIDE AND OXIDES OF NITROGEN FROM COMBUSTION GASES" RYASON,P.R.,HARKINS,J. JOURNAL OF THE AIR POLLUTION CONTROL ASSOCIATION,V.17,NO.12,DEC. 1967,P.796-799
	0033N	"INCREASING RELIABILITY OF PLATINUM CATALYST SYSTEMS" MATTHEY BISHOP INC. AUTOMOTIVE ENGINEERING,V.80,NO.12,DEC. 1972,P.11
	0034N	"EMISSION CONTROL DEVICE TAKES LEADED FUELS IN STRIDE" QUESTOR CORP. PRODUCT ENGINEERING,JAN. 1973,P.9-10
	0035N	"CATALYTIC REDUCTION OF NITROGEN OXIDES IN AUTOMOBILE EXHAUST" BAKER,R.A.,DOERR,R.C. JOURNAL OF AIR POLLUTION CONTROL ASSOCIATION,V.14,NO.10,OCT. 1964,P.409-414
	0036N	"CATALYTIC PURIFICATION OF TAIL GAS" GILLESPIE,G.R.,BOYUM,A.A.,COLLINS,M.F. CHEMICAL ENGINEERING PROGRESS,V.68,NO.4,APR. 1972,P.72-77

KEYWORD	ACC NO	TITLE
REDXN-W/FUEL	0043N	"CATALYST FOR NITROGEN OXIDE REDUCTION" KLIMISCH,R.L. U.S. PATENT 3,674,423,JULY 4,1972,2P.
	0052N	"ENGINE EXHAUST EMISSION CONTROL SYSTEM" TOURTELOTTE,J.F.,NEGRA,J.A.,ET AL. U.S. PATENT 3,699,683,OCT. 24,1972,3P.
	0060N	"CATALYTIC CONVERSION OF EXHAUST GAS IMPURITIES" KEARBY,K.K. U.S. PATENT 3,565,574,FEB. 23,1971,8P.
	0062N	"CATALYST FOR PURIFICATION OF EXHAUST GASES FROM MOTOR VEHICLES AND INDUSTRIAL PLANTS" KOBERSTEIN,E.,LAKATOS,E. U.S. PATENT 3,669,906,JUNE 13,1972,8P.
	0076N	"SYSTEM DESIGNS FOR THE CATALYTIC DECOMPOSITION OF NITROGEN OXIDES" DONAHUE,J.L. JOURNAL OF AIR POLLUTION CONTROL ASSOC.,V.8,NO.3,P.209-212,2 22,NOV. 1958
	0091N	"CLEANING OF INDUSTRIAL GASES WITH PRECIOUS METAL CATALYSTS" ANDERSEN,H.C. DECHEMA MONOGRAPH.,V.40,P.325-333,1962 (GERMAN)
	0097N	"NATURAL-GAS CATALYTIC REDUCTION OF NITRIC OXIDE TAIL GASES FROM NITRIC ACID PRODUCTION" TIKHONENKO,A.D.,NARIEV,M.N. UZBEK. KHIM. ZH.,V.11,NO.4,P.6-9,1967 (RUSSIAN)

KEYWORD	ACC NO	TITLE
REDXN-W/FUEL	0110N	"TECHNIQUES FOR CONTROLLING THE OXIDES OF NITROGEN" HARDISON,L.C. JOURNAL AIR POLLUTION CONTROL ASSOC.,V.20,NO.6,P.377-382,JUNE 1970
	0115N	"DESIGN, CONSTRUCTION AND TESTING OF CATALYTIC AFTERBURNERS FOR REMOVAL OF AIR POLLUTANTS FORMED IN AUTOMOTIVE AND STATIONARY COMBUSTION PROCESSES" BAUERLE,G.L.,NOBE,K. IN PROJECT CLEAN AIR,V.1,U.C.L.A. SCHOOL OF ENGINEERING,RESEARCH PROJ. S-2,46P.,SEP. 1,1970
	0123N	"NITROGEN OXIDE POLLUTION; NITRIC ACID PLANT POLLUTANTS" NEWMAN,D.J. CHEMICAL ENGINEERING PROGRESS,V.67,NO.2,P.79-84,FEB. 1971
	0133N	"APPLICATION OF CATALYSTS TO AUTOMOTIVE NOX EMISSIONS CONTROL" BERNSTIEN,L.S.,KEARBY,K.K.,RAMAN,A.K.S.,VARDI,J.,WIGG,E.E. PRESENTED AT THE AUTOMOTIVE ENGINEERING CONGRESS,DETROIT,JAN. 11-15,1971,PAPER 710014,17P.
	0137N	"CATALYSTS FOR PURIFICATION OF WASTE GASES CONTAINING OXIDES OF NITROGEN" HINDIN,S.G.,DETTLING,J.C. U.S. PATENT 3,615,166,OCT. 26,1971,5P.
	0140N	"CATALYTIC CONTROL OF NOX EMISSIONS FROM MOBILE SOURCES (FINAL REPORT)" SEEGALL,M.I.,NAPIER,J.C.,COMPTON,W.A. INTERNATIONAL HARVESTER CO.,SAN DIEGO,CA.,RESEARCH LABS.,REPT. RDR 1700,143P.,DEC. 1971

KEYWORD	ACC NO	TITLE
REDXN-W/FUEL	0148N	"CHEMISTRY OF CATALYTIC NITROGEN OXIDE REDUCTION IN AUTOMOTIVE EXHAUST GAS" KLIMISCH,R.L.,BARNES,G.J. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.6,NO.6,P.543-548,JUNE 1972
	0151N	"APPLICATION OF A MONEL-PLATINUM DUAL-CATALYST SYSTEM TO AUTOMOTIVE EMISSION CONTROL" LUNT,R.S.,BERNSTEIN,L.S.,HANSEL,J.G.,HOLT,E.L. PREPRINT, SOCIETY OF AUTOMOTIVE ENGINEERS,INC.,NEW YORK,16P.,1972
	0153N	"THERMAL AND CATALYTIC WASTE GAS CLEANING INCLUDING THE WET NITROGEN OXIDE PROCEDURES" BRAND,H. CHEM. TECH. (BERLIN),V.1,NO.5,P.224-225,MAY 1972 (GERMAN)
	0164N	"CATALYTIC REDUCTION OF WASTE NITROGEN OXIDES" JAROS,S.,KRIZEK,J. CHEM. PRUMYSL (PRAGUE),17/42(11),P.581-586,1967 (CZECH.)
	0166N	"OXIDATION-REDUCTION CATALYSIS" ROTH,J.F.,DOERR,R.C. INDUSTRIAL ENGINEERING CHEMISTRY,V.53,NO.4,P.293-296,APR. 1961
	0171N	"CATALYTIC PURIFICATION OF COMBUSTION GASES" HISADA,S. GER. PATENT 2,119,897,NOV. 18,1971,11P. (GERMAN)

KEYWORD	ACC NO	TITLE
REDXN-W/FUEL	0172N	"MITSUBISHI STATUS REPORT ON LOW EMISSION CONCEPT VEHICLES" KANEKO,Y.,KIYOTA,Y. S.A.E. SPEC. PUB.,NO.370;1-12,MAY 1972 (PRESENTED AT THE NAT IONAL AUTOMOBILE ENGINEERING MEETING,DETROIT,MAY 22-26,1972,
	0173N	"FIAT STATUS REPORT ON LOW EMISSION CONCEPT VEHICLES" POLLONE,C. S.A.E. PUB.,NO.370;1-16,MAY 1972 (PRESENTED AT THE NATIONAL AUTOMOBILE ENGINEERING MEETING,DETROIT,MAY 22-26,1972,PAPER
	0174N	"CATALYSTS FOR AUTO EXHAUST EMISSION CONTROL" YAMAKI,N.,TSUCHIMOTO,K. UNION OF JAPANESE SCIENTISTS AND ENGINEERS,PROC. INT. SYMP. AIR POLLUT.,TOKYO,JAPAN,1972,P.643-656 (JAPANESE)
	0183N	"REDUCTION CATALYST FOR NITRIC OXIDE IN EXHAUST AND FLUE GASES" STENZEL,J.,HARNISCH,H.,KNAPSACK,A.G. GER. OFFEN. 2165550 (B 01J),JULY 5,1973,12P.
	0184N	"REDUCTION OF NITROGEN OXIDE IN EXHAUST AND WASTE GASES" STENZEL,J.,KNAPSACK,A.G. GER. OFFEN. 2165548 (B 01D),JULY 5,1973,15P.
	0192N	"REDUCING NITROGEN COMPOUND CONTENT IN EXHAUST GAS" GANDHI,H.,SHELEF,M. FR. 2151322 (F 01N),MAY 18,1973,8P.
	0193N	"CATALYSTS FOR EXHAUST GAS TREATMENT" OKUYAMA,T.,SANO,M.,MANABE,S.,IWABUCHI,H. GER. OFFEN. 2252402 (B 01J, F 01N),MAY 30,1973,36P.

KEYWORD	ACC NO	TITLE
REDXN-W/FUEL	0200N	"REDUCTION OF NITROGEN OXIDE IN EXHAUST GAS FROM INTERNAL COMBUSTION ENGINES" HORIE,K.,YAMAUCHI,S.,HARA,J.,OHHARA,T. JAPAN. KOKAI 73 42989,JUNE 21,1973,6P.
REDXN-W/HC	0012N	"NITRIC ACID PLANT FUME ABATERS" REED,R.M.,HARVIN,R.L. CHEMICAL ENGINEERING PROGRESS,V.68,NO.4,APR. 1972,P.78-79
	0020N	"REDUCTION OF NITRIC OXIDE WITH ETHYLENE ON COPPER-SILICA CATALYST" SOTOODEHNIA-KORRANI,A.,NOBE,K. IND. ENG. CHEM. PROCESS DES. DEVELOP.,V.9,NO.3,JULY 1970,P.4 55-459
	0026N	"NITRIC OXIDE REDUCTION WITH CO AND C3 HYDROCARBON OXIDATION ON CU-AL2O3-EFFECT OF LEAD" SORENSEN,L.L.C.,NOBE,K. I AND EC PRODUCT RESEARCH AND DEVELOPMENT,V.11,NO.4,DEC. 197 2,P.423-425
	0032N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM EXHAUST GASES OF NITRIC ACID PLANTS" VAN DER DRIFT,J. CHEM. TECH,V24,NO.10,1969,P.301-305(NETH.)
	0039N	"PROCESS FOR CATALYTICALLY REDUCING NITROGEN OXIDES IN INDUSTRIAL STACK GASES" CHILDERS,E.,ELLIS,C.W.,RYAN,D.J. U.S. PATENT 2,910,343,OCT. 27,1959,7P.

KEYWORD	ACC NO	TITLE
REDXN-W/HC	0040N	"MATHEMATICAL DESCRIPTION OF A REACTOR FOR THE CATALYTIC CLEANING OF WASTE GASES FROM THE PRODUCTION OF WEAK NITRIC ACID AT 7.3 ATMOSPHERES" KHOKHEL,O.A.,ET AL. KHIM. PROM. (MOSCOW),V.45,NO.10,1969,P.752-754(RUSS.)
	0064N	"METHOD OF TREATING EXHAUST GASES OF INTERNAL COMBUSTION ENGINES" GROSS,G.P.,ET AL. U.S. PATENT 3,370,914,FEB. 27,1968,27P.
	0071N	"A NEW FAMILY OF CATALYSTS FOR NITRIC ACID TAIL GASES" ANDERSEN,H.C.,ROMEO,P.L.,GREEN,W.J. NITROGEN,NO. 50,P.33-36,NOV./DEC. 1967
	0073N	"METHOD OF REMOVING NITROGEN OXIDES FROM GASES" CHILDERS,E.,ELLIS,C.W.,RYAN,D.J. U.S. PATENT 3,125,408,MAR. 17,1964
	0074N	"METHOD OF REMOVING NITROGEN OXIDES FROM GASES" COHN,J.G.E. U.S. PATENT 3,118,727,JAN. 21,1964,4P.
	0084N	"PLATINUM CATALYSTS AND AIR POLLUTION CONTROL" HUNTER,J.B. S. AFRICAN MINING ENG. J.,1968,P.438-440,FEB. 23,1968
	0087N	"PURIFICATION OF NITROGEN OF EXHAUST GAS IN THE PRODUCTION OF WEAK NITRIC ACID FOR THE SYNTHESIS OF AMMONIA" NABIYEW,M.K.,ET AL. DOKL. AKAD. NAUK UZ. SSR,V.20,NO.11,P.17-20,1963 (RUSSIAN)

KEYWORD	ACC NO	TITLE
REDXN-W/HC	0112N	"UTILIZATION OF CATALYST IN AIR POLLUTION CONTROL" YAMANAKA,T. KAGAKU KOGYO (TOKYO),V.22,NO.3,P.102-108,MAR. 1971
	0113N	"CATALYTIC REDUCTION OF NITRIC OXIDE WITH VARIOUS HYDROCARBONS" AULT,J.W.,AYEN,R.J. JOURNAL OF AM. INST. CHEM. ENGRS.,V.17,NO.2,P.265-271,MAR. 1971
	0117N	"BENCH SCALE INVESTIGATION OF INCRA CATALYST FOR THE TREATMENT OF NITRIC ACID MANUFACTURING PLANT ATMOSPHERIC EMI CHEMICAL CONSTRUCTION CORP. CHEMICAL CONSTRUCTION CORP.,NEW YORK,CONSULTING DIV.,FINAL REPT. 0053C,87P.,MAR. 1969
	0121N	"CATALYSTS FOR PURIFICATION OF AUTOMOBILE EXHAUST GAS; (II),CONTACT REDUCTION BY CO AND C3H8 OF NO" NAKAJIMA,F.,TAKEUCHI,M. PREPRINT, JAPAN CHEMICAL SOCIETY,TOKYO,1P.,1971 (JAPANESE)
	0122N	"ON REMOVAL OF NO GAS GENERATED IN MEDIUM AND SMALL SIZE CHEMICAL FACTORIES" OYA,S.,OYA,N. PREPRINT, SAFETY ENGINEERING SOCIETY OF JAPAN. TOKYO,4P.,1970 (JAPANESE)
	0128N	"CATALYTIC REDUCTION OF NITRIC OXIDE WITH PROPYLENE" CHIEN,M.W.,NOBE,K. PREPRINT, AMERICAN CHEMICAL SOCIETY,WASHINGTON,DIV. OF WATER,AIR,AND WASTE CHEMISTRY,5P.,1971

KEYWORD	ACC NO	TITLE
REDXN-W/HC	0132N	"CATALYTIC REDUCTION OF OXIDES OF NITROGEN (FINAL REPT.)" PETERSEN,E.E.,BELL,A.T. UNIV. OF CALIF.,BERKELEY,DEPT. OF CHEMICAL ENGINEERING,GRANT AP-00387,6P.,1970
	0135N	"METHOD OF REMOVING NITROGEN OXIDES FORM GASES" KANDELL,P.,NEMES,G. U.S. PATENT 3,567,367,MAR. 2,1971,3P.
	0152N	"REDUCTION SPEED (BY CARBON MONOXIDE AND HYDROCARBONS) OF NITROGEN OXIDES; EXAMINATIONS USING COPPER COPRECIPITATION CATALYSTS" KASAOKA,T.,TSUMAKI,N.,KITAMURA,J. PREPRINT, JAPAN SOCIETY OF CHEMICAL ENGINEERING,TOKYO,P.74-76,1972 (JAPANESE)
	0164N	"CATALYTIC REDUCTION OF WASTE NITROGEN OXIDES" JAROS,S.,KRIZEK,J. CHEM. PRUMYSL (PRAGUE),17/42(11),P.581-586,1967 (CZECH.)
	0179N	"THE CATALYTIC REDUCTION OF NITRIC OXIDE IN AUTOMOBILE EXHAUST GASES - I. TESTS OF IRON-CONTAINING MATERIALS" JENKINS,D.R.,VOISEY,M.A. ATMOSPHERIC ENVIRONMENT,V. 7,1973,P.177-186
	0182N	"POLLUTION FROM NITRIC ACID PLANTS; PURIFICATION OF TAIL GAS USING PLATINUM CATALYSTS" SEARLES,R.A. PLATINUM MET. REV.,V.17,NO.2,APR. 1973,P.57-63

KEYWORD	ACC NO	TITLE
REDXN-W/HC	0191N	"AMMONIA FORMATION IN THE NITRIC OXIDE-METHANE REACTION" VARTULI,J.C.,GONZALEZ,R.D. IND. ENG. CHEM. PROD. RES. DEVELOP.,V. 12,NO. 3,1973,P.171-1 75
	0195N	"CATALYTIC PURIFICATION OF WASTE GASES FROM NITRIC ACID MANUFACTURE" COLLINS,M.F.,MICHALEK,R. GER. OFFEN. 2255732 (C 01B),MAY 24,1973,16P.
	0197N	"THE CATALYTIC REDUCTION OF NITRIC OXIDE OVER SUPPORTED RUTHENIUM CATALYSTS" TAYLOR,K.,KLIMISCH,R.L. JOURNAL OF CATALYSIS,V. 30,NO. 3,1973,P.478-484
	0207N	"ADSORPTIVITIES AND REACTIVITIES OF LOWER HYDROCARBONS DURING OXIDATION ON A SILVER CATALYST BY NITRIC OXIDE" BELOUSOV,V.M.,MULIK,I.Y.,RUBANIK,M.Y. TRANSLATED FROM KINETIKA I KATALIZ,V. 10,NO. 4,JULY-AUG. 196 9,P.841-846
	0210N	"CATALYTIC TREATMENT OF NITRIC ACID PLANT TAIL GAS" ANDERSEN,H.C.,GREEN,W.J.,STEELE,D.R. INDUSTRIAL AND ENGINEERING CHEMISTRY,V. 53,NO. 3,MAR. 1961,P .199-204
	0216N	"NOx REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,RAKOWSKY,F.W.,HIRSCHBERG,E.H.,LANG,C.R.,SCHOC SOC. AUTOMOT. ENGRS., SPEC. PUB. NO. 370, 24P., MAY 1972

KEYWORD	ACC NO	TITLE
REDXN-W/HC	0218N	"CONTACT TYPE REMOVAL METHOD FOR NO CONTAINED IN GAS MANUFACTURED FROM COAL, COKE, OR OIL" OKI,T.,TETSU,A.,AKIRA,T.,SHIGERU,H. JAPAN PAT. SHO 46-18383, 4P., MAY 22, 1971
	0219N	"NITROGEN OXIDE POLLUTION; PROCESSING NITRIC ACID TAIL GAS" ADLHART,O.J.,HINDIN,S.G.,KENSON,R.F. CHEM. ENG. PROGR., 67(2); 73-78, 1971
	0220N	"POWER AND INDUSTRY; CONTROL OF NITROGEN OXIDE EMISSIONS" PERRINE,R.L.,LIMIN,H. PROJECT CLEAN AIR, CALIF. UNIV. BERKELEY, TASK FORCE 5, 1(9), SEPT. 1970
	0225N	"COBALT SULFIDE AND NICKEL SULFIDE CATALYSTS FOR REDUCTION OF NITROGEN OXIDES IN EXHAUST GASES" POMOT,J.L.E. GER. OFFEN. 2307342 (B01J), AUG. 30, 1973
	0226N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM AUTOMOTIVE EXHAUST GASES" SIMIZU,I.,DAWASAKI,M. JAPAN. KOKAI 73 71366(13(7)A11, 51 D51, 13(9) G3),SEPT. 27, 1973
	0228N	"CATALYST FOR REMOVING NITROGEN OXIDES" HASEGA,O.,YOKOTA,S. JAPAN. KOKAI 73 55890 (13(9)G11), AUG. 6, 1973
	0229N	"COPPER-IRON-NICKEL ALLOY CATALYSTS FOR REMOVAL OF NITRIC OXIDE FROM AUTOMOTIVE EXHAUST GASES" NIIMI,I.,MORITA,A.,MENOTO,Y.,SATO,M. GER. OFFEN. 2306785 (C 22C), AUG. 23, 1973

KEYWORD	ACC NO	TITLE
REDXN-W/HC	0230N	"CHROMIUM OXIDE-IRON OXIDE-NICKEL OXIDE CATALYSTS FOR TREATMENT OF AUTOMOTIVE EXHAUST GASES" OKUYAMA,T.,SANO,M.,MINE,J. GER. OFFEN. 2308789 (B01J), AUG. 30,1973
	0242N	"SELECTIVE REMOVAL OF NITROGEN OXIDES FROM OXYGEN-CONTAINING GASES ESPECIALLY FROM NITRIC ACID PRODUCTI COHN,J.,STEELE,D.K.,ANDERSEN,H.C. U.S. 2,975,025,NOV. 5, 1971
	0251N	"STUDY OF CATALYTIC CONTROL OF EXHAUST EMISSIONS FOR OTTO CYCLE ENGINES" YOLLES,R.S.,WISE,H.,BERRIMAN,L.P. STANFORD RESEARCH INSITIUTE, FINAL REPORT, IRVINE, CA., APR. 1970
	0252N	"CATALYSTS FOR AUTOMOTIVE POLLUTION CONTROL DEVICES" NOBE,K.,BAUERLE,G.L. FINAL REPORT, SCHOOL OF ENGINEERING AND APPLIED SCIENCES, U. C.L.A., SEPT. 1973
	0255N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,RADOWSKY,F.W.,HERSCHBERG,E.H.,LANG,C.R.,SCHOC S.A.E. PAPER 720480, MAY 1972
	0258N	"AMMONIA FORMATION IN THE CATALYTIC REDUCTION OF NITRIC OXIDE. III. THE ROLE OF WATER GAS SHIFT, REDUCTION BY HYDROCARBONS AND STEAM REFORMING" SHELEF,M.,GANDHI,H.S. IND. ENG. CHEM., PROD. RES. DEVELOP., 13(1): 80-85, 1974

KEYWORD	ACC NO	TITLE
REDXN-W/HC	0259N	"PROCESSING NITRIC ACID TAIL GAS" ADLHART,O.J.,HINDIN,S.G.,KENSON,R.F. CHEM. ENG. PROGRESS, 67(2), 73-78
REDXN-W/H2	0004N	"CATALYTIC REDUCTION OF NITROGEN DIOXIDE WITH HYDROGEN" AYEN,R.J.,AMIRNAZMI,A. A.I.CH.E. CLEVELAND MEETING,MAY 1969,30P.
	0011N	"SELECTIVE CATALYTIC REACTION OF HYDROGEN WITH NITRIC OXIDE IN THE PRESENCE OF OXYGEN" JONES,J.H.,ET AL. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,SEP. 1971,P.790-798
	0012N	"NITRIC ACID PLANT FUME ABATERS" REED,R.M.,HARVIN,R.L. CHEMICAL ENGINEERING PROGRESS,V.68,NO.4,APR. 1972,P.78-79
	0013N	"AMMONIA INTERMEDIACY AS A BASIS FOR CATALYST SELECTION FOR NITRIC OXIDE REDUCTION" KLIMISCH,R.L.,TAYLOR,K.C. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.7,NO.2,FEB. 1972,P.127-131
	0017N	"AMMON FORMATION IN CATALYTIC REDUCTION OF NITRIC OXIDE BY MOLECULAR HYDROGEN" SHELEF,M.,GANDHI,H.S. IND. ENG. CHEM. PROD. RES. DEVELOP.,V.11,NO.1,MAR. 1972,P.2-11
	0029N	"CATALYTIC REDUCTION OF NITRIC OXIDE" AYEN,R.J.,PETERS,M.S. I AND EC PROCESS DESIGN AND DEVELOPMENT,V.1,NO.3,JULY 1962,P.204-207

KEYWORD	ACC NO	TITLE
REDXN-W/H2	0067N	"THE CATALYTIC NITRIC OXIDE REDUCTION AND AMMONIA OXIDATION (IV)" ADRUSSOW,L. CHEM. BER.,V.60,P.536-540,1927 (GERMAN)
	0099N	"ELIMINATION OF NITROUS GAS EMISSION BY CATALYTIC REDUCTION" JEITNER,O.,KONIG,K. CHEM. TECH. (BERLIN),V.19,NO.3,P.166-169,MAR. 1967 (GERMAN)
	0106N	"CATALYTIC HYDROGENATION OF ACETYLENE AND NITROGEN OXIDES IN COKE GAS" SLUGOCKI,E. PRZEMYSL CHEM.,V.48,NO.2,P.85-87,FEB. 1969 (POLISH)
	0107N	"PROCESS FOR REDUCING NITRIC OXIDE TO NITROUS OXIDE" SLAUGH,L.H. U.S. PATENT 3,321,274,MAY 23,1967,2P.
	0112N	"UTILIZATION OF CATALYST IN AIR POLLUTION CONTROL" YAMANAKA,T. KAGAKU KOGYO (TOKYO),V.22,NO.3,P.102-108,MAR. 1971
	0117N	"BENCH SCALE INVESTIGATION OF INCRA CATALYST FOR THE TREATMENT OF NITRIC ACID MANUFACTURING PLANT ATMOSPHERIC EMI CHEMICAL CONSTRUCTION CORP. CHEMICAL CONSTRUCTION CORP.,NEW YORK,CONSULTING DIV.,FINAL R EPT. 0053C,87P.,MAR. 1969
	0122N	"ON REMOVAL OF NO GAS GENERATED IN MEDIUM AND SMALL SIZE CHEMICAL FACTORIES" OYA,S.,OYA,N. PREPRINT, SAFETY ENGINEERING SOCIETY OF JAPAN. TOKYO,4P.,197 0 (JAPANESE)

KEYWORD	ACC NO	TITLE
REDXN-W/H2	0132N	"CATALYTIC REDUCTION OF OXIDES OF NITROGEN (FINAL REPT.)" PETERSEN,E.E.,BELL,A.T. UNIV. OF CALIF.,BERKELEY,DEPT. OF CHEMICAL ENGINEERING,GRANT AP-00387,6P.,1970
	0148N	"CHEMISTRY OF CATALYTIC NITROGEN OXIDE REDUCTION IN AUTOMOTIVE EXHAUST GAS" KLIMISCH,R.L.,BARNES,G.J. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.6,NO.6,P.543-548,JUNE 1972
	0157N	"RAPID, CONTINUOUS CONVERSION OF NO TO N2 PLUS H2O" ALEI,M. LOS ALAMOS SCIENTIFIC LAB.,N. MEX.,REPT. LA-4904,UC-4,5P.,APR. 1972
	0165N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM WASTE GASES ON NICKEL CATALYSTS" TIKHONENKO,A.D.,NABIYEV,M.N.,IBRAGIMOV,Y.I. UZBEKSK. KHIM. ZH.,NO. 4,P.6-8,1970 (RUSSIAN)
	0169N	"THE APPLICATION OF COPPER-SILICA CATALYST FOR THE REMOVAL OF NITROGEN OXIDES PRESENT IN LOW CONCENTRATIONS BY CHEMICAL REDUCTION WITH CARBON MONOXIDE OR HYDROGEN" SOURIRAJAN,S.,BLUMENTHAL,J.L. INTERNATIONAL JOURNAL OF AIR WATER POLLUTION (LONDON),V.5,NO.1,P.24-33,1961
	0177N	"AMMONIA FORMATION IN CATALYTIC REDUCTION OF NITRIC OXIDE BY MOLECULAR HYDROGEN" SHELEF,M.,GANDHI,H.S. I AND EC PRODUCT RESEARCH AND DEVELOPMENT,V. 11,DEC. 1972,P. 393-396

KEYWORD	ACC NO	TITLE
REDXN-W/H2	0179N	"THE CATALYTIC REDUCTION OF NITRIC OXIDE IN AUTOMOBILE EXHAUST GASES - I. TESTS OF IRON-CONTAINING MATERIALS" JENKINS,D.R.,VOISEY,M.A. ATMOSPHERIC ENVIRONMENT,V. 7,1973,P.177-186
	0182N	"POLLUTION FROM NITRIC ACID PLANTS; PURIFICATION OF TAIL GAS USING PLATINUM CATALYSTS" SEARLES,R.A. PLATINUM MET. REV.,V.17,NO.2,APR. 1973,P.57-63
	0197N	"THE CATALYTIC REDUCTION OF NITRIC OXIDE OVER SUPPORTED RUTHENIUM CATALYSTS" TAYLOR,[illegible],KLIMISCH,R.L. JOURNAL OF CATALYSIS,V. 30,NO. 3,1973,P.478-484
	0208N	"REACTION OF NITRIC OXIDE WITH HYDROGEN ON PLATINUM WHICH HAS BEEN PURIFIED UNDER SUPER-HIGH VACUUM" TRETYAKOV,I.I.,KORCHAK,V.N.,SHUR,B.R. TRANSLATED FROM KINETIKA KATALIZ,V. 13,NO.2,MAR.-APR. 1972,P.512-514
	0209N	"HNO AS AN INTERMEDIATE IN THE CATALYTIC REDUCTION OF NITRIC OXIDE" GONZALEZ,R.D.,AUDETTE,D.E. JOURNAL OF CATALYSIS,V. 17,NO.1,1970,P.116-118
	0216N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,RAKOWSKY,F.W.,HIRSCHBERG,E.H.,LANG,C.R.,SCHOC SOC. AUTOMOT. ENGRS., SPEC. PUB. NO. 370, 24P., MAY 1972

KEYWORD	ACC NO	TITLE
REDXN-W/H2	0217N	"EXPERIMENTS FOR THE PRODUCTION OF INERT GAS FROM THE WASTE GASES OF A NITRIC ACID PLANT" PURZEL,W.,WOLFGANG,K. CHEM. TECH., 23(9); 537-539, SEPT. 1971
	0218N	"CONTACT TYPE REMOVAL METHOD FOR NO CONTAINED IN GAS MANUFACTURED FROM COAL, COKE, OR OIL" OKI,T.,TETSU,A.,AKIRA,T.,SHIGERU,H. JAPAN PAT. SHO 46-18383, 4P., MAY 22, 1971
	0219N	"NITROGEN OXIDE POLLUTION; PROCESSING NITRIC ACID TAIL GAS" ADLHART,O.J.,HINDIN,S.G.,KENSON,R.E. CHEM. ENG. PROGR., 67(2); 73-78, 1971
	0220N	"POWER AND INDUSTRY; CONTROL OF NITROGEN OXIDE EMISSIONS" PERRINE,R.L.,LIMIN,H. PROJECT CLEAN AIR, CALIF. UNIV. BERKELEY, TASK FORCE 5, 1(9) , SEPT. 1970
	0221N	"UTILIZATION OF TIED NITROGEN DURING CATALYTIC REDUCTION OF NITROGEN OXIDE" JAROS,S.,KRIZEK,J.,SEBEK,J. CZECH. PAT. 124669, OCT. 15, 1967
	0224N	"CATALYTIC CHEMISTRY OF NITRIC OXIDE. I. EFFECT OF WATER ON THE REDUCTION OF NITRIC OXIDE OVER SUPPORTED CHROMIUM AND IRON OXIDES" KOBYLINSKI,T.P.,TAYLOR,B.W. J. CATAL., 31(3), 450-458, 1973

KEYWORD	ACC NO	TITLE
REDXN-W/H2	0225N	"COBALT SULFIDE AND NICKEL SULFIDE CATALYSTS FOR REDUCTION OF NITROGEN OXIDES IN EXHAUST GASES" POMOT,J.L.E. GER. OFFEN. 2307342 (B01J), AUG. 30, 1973
	0226N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM AUTOMOTIVE EXHAUST GASES" SIMIZU,I.,DAWASAKI,M. JAPAN. KOKAI 73 71366(13(7)A11, 51 D51, 13(9) G3),SEPT. 27, 1973
	0228N	"CATALYST FOR REMOVING NITROGEN OXIDES" HASEGA,O.,YOKOTA,S. JAPAN. KOKAI 73 55890 (13(9)G11), AUG. 6, 1973
	0229N	"COPPER-IRON-NICKEL ALLOY CATALYSTS FOR REMOVAL OF NITRIC OXIDE FROM AUTOMOTIVE EXHAUST GASES" NIIMI,I.,MORITA,A.,MENOTO,Y.,SATO,M. GER. OFFEN. 2306785 (C 22C), AUG. 23, 1973
	0230N	"CHROMIUM OXIDE-IRON OXIDE-NICKEL OXIDE CATALYSTS FOR TREATMENT OF AUTOMOTIVE EXHAUST GASES" OKUYAMA,T.,SANO,M.,MINE,J. GER. OFFEN. 2308789 (B01J), AUG. 30,1973
	0242N	"SELECTIVE REMOVAL OF NITROGEN OXIDES FROM OXYGEN-CONTAINING GASES ESPECIALLY FROM NITRIC ACID PRODUCTI COHN,J.,STEELE,D.R.,ANDERSEN,H.C. U.S. 2,975,025,NOV. 5, 1971

KEYWORD	ACC NO	TITLE
REDXN-W/H2	0251N	"STUDY OF CATALYTIC CONTROL OF EXHAUST EMISSIONS FOR OTTO CYCLE ENGINES" YOLLES,R.S.,WISE,H.,BERRIMAN,L.P. STANFORD RESEARCH INSITIUTE. FINAL REPORT, IRVINE, CA., APR. 1970
	0252N	"CATALYSTS FOR AUTOMOTIVE POLLUTION CONTROL DEVICES" NOBE,K.,BAUERLE,G.L. FINAL REPORT, SCHOOL OF ENGINEERING AND APPLIED SCIENCES. U.C.L.A., SEPT. 1973
	0255N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,RADOWSKY,F.W.,HERSCHBERG,F.H.,LANG,C.R.,SCHOC S.A.E. PAPER 720480, MAY 1972
	0256N	"NITRIC OXIDE REDUCTION WITH H2 ON MIXED METAL OXIDE CATALYSTS" BAUERLE,G.L.,NOBE,K. IN PRESS, 1974
	0257N	"REDUCTION OF NITRIC OXIDE WITH HYDROGEN ON COPPER-NICKEL AND NICKEL-CHROMIUM CATALYSTS" ORSINI,R.A.,TUNICK,S.A.,BAUERLE,G.L.,NOBE,K. U.C.L.A. REPORT UCLA-ENG-7402, JAN. 1976
	0258N	"AMMONIA FORMATION IN THE CATALYTIC REDUCTION OF NITRIC OXIDE. III. THE ROLE OF WATER GAS SHIFT, REDUCTION BY HYDROCARBONS AND STEAM REFORMING" SHELEF,M.,GANDHI,H.S. IND. ENG. CHEM., PROD. RES. DEVELOP., 13(1): 80-85, 1974

KEYWORD	ACC NO	TITLE
REDXN-W/H2	0259N	"PROCESSING NITRIC ACID TAIL GAS" ADLHART,O.J.,HINDIN,S.G.,KENSON,R.E. CHEM. ENG. PROGRESS, 67(2), 73-78
REDXN-W/NH3	0010N	"STUDY OF INTERACTION OF AMMONIA WITH NITROGEN OXIDES" GANZ,S.N.,VASHKEVICH,A.M. TRANSLATED FROM ZHURNAL PRIKLADNOI KHIMII,V.43,NO.1,JAN. 197 0,P.13-18
	0013N	"AMMONIA INTERMEDIACY AS A BASIS FOR CATALYST SELECTION FOR NITRIC OXIDE REDUCTION" KLIMISCH,R.L.,TAYLOR,K.C. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.7,NO.2,FEB. 1972,P.12 7-131
	0015N	"CATALYTIC REDUCTION OF WASTE NITROGEN OXIDES" MARKVART,M.,POUR,V. INTERNATIONAL CHEMICAL ENGINEERING,V.8,NO.2,APR. 1968,P.261- 267
	0017N	"AMMON FORMATION IN CATALYTIC REDUCTION OF NITRIC OXIDE BY MOLECULAR HYDROGEN" SHELEF,M.,GANDHI,H.S. IND. ENG. CHEM. PROD. RES. DEVELOP.,V.11,NO.1,MAR. 1972,P.2- 11
	0029N	"CATALYTIC REDUCTION OF NITRIC OXIDE" AYEN,R.J.,PETERS,M.S. I AND EC PROCESS DESIGN AND DEVELOPMENT,V.1,NO.3,JULY 1962,P .204-207

KEYWORD	ACC NO	TITLE
REDXN-W/NH3	0032N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM EXHAUST GASES OF NITRIC ACID PLANTS" VAN DER DRIFT,J. CHEM. TECH,V24,NO.10,1969,P.301-305(NETH.)
	0036N	"CATALYTIC PURIFICATION OF TAIL GAS" GILLESPIE,G.R.,BOYUM,A.A.,COLLINS,M.F. CHEMICAL ENGINEERING PROGRESS,V.68,NO.4,APR. 1972,P.72-77
	0038N	"SELECTIVE REMOVAL OF OXIDES OF NITROGEN FROM GAS MIXTURES CONTAINING OXYGEN" NONNENMACHER,H.,KARTTE,K. U.S. PATENT 3,279,384,OCT. 18,1966,4P.
	0042N	"KINETICS OF THE CONTACT INTERACTION OF AMMONIA WITH NITRIC OXIDE AND OXYGEN" KULISH,O.N.,ZASORIN,A.P.,ATROSHCHENKO,A.V. IZV. VYSSH. UCHEB. ZAVED.,KHIM. KHIM. TEKHNOL.,V.15,NO.6,197 2,P.955-957(RUSS.)
	0051N	"CATALYSTS FOR THE INTERACTION OF NITROGEN OXIDES WITH AMMONIA STUDIED TO PURIFY WASTE GASES FROM NITRIC ACID PRODUCTION" ATROSHCHENKO,V.I.,ZASORIN,A.P.,KULISH,O.N. KATAL. KATAL.,1972,NO.9,P.26-30(RUSS.)
	0053N	"CATALYST FOR OXIDATION OF AMMONIA" VOSOLSOBE,J.,ET AL. GER. OFFEN. 2,216,328,OCT. 12,1972,9P.

KEYWORD	ACC NO	TITLE
REDXN-W/NH3	0066N	"SELECTIVE REDUCTION OF NITROGEN OXIDES WITH AMMONIA" MARKVART,M.POUR,V. CHEM. PRUMYSL (PRAGUE),V.19,NO.1,P.8-12,1969 (CZECH.)
	0067N	"THE CATALYTIC NITRIC OXIDE REDUCTION AND AMMONIA OXIDATION (IV)" ADRUSSOW,L. CHEM. BER.,V.60,P.536-540,1927 (GERMAN)
	0089N	"THE KINETICS OF THE REACTION BETWEEN AMMONIA AND NITRIC OXIDE ON THE SURFACE OF A PLATINUM FILAMENT" MICHAILOVA,E.A. ACTA PHYSICOCHIM. USSR,V.10,NO.5,P.653-676,1939
	0090N	"METHOD FOR REMOVING NITROGEN OXIDES FROM GASES THROUGH CATALYTIC REDUCTION OF THESE SUBSTANCES TO NITROGEN" SCHMIDT,K. WEST GERMAN PATENT 1,259,298,JAN. 25,1968,2P. (GERMAN)
	0112N	"UTILIZATION OF CATALYST IN AIR POLLUTION CONTROL" YAMANAKA,T. KAGAKU KOGYO (TOKYO),V.22,NO.3,P.102-108,MAR. 1971
	0114N	"STUDIES OF SURFACE REACTIONS OF NO BY ISOTOPE LABELING; II, DEUTERIUM KINETIC ISOTOPE EFFECT IN THE AMMONIA-NITRIC OXIDE REACTION OF A SUPPORTED PLATINUM CATALYST" OTTO,K.,SHELEF,M.,KUMMER,J.T. JOURNAL OF PHYSICAL CHEMISTRY,V.75,NO.7,P.875-879,APR. 1971
	0134N	"THE BEHAVIOR OF NITRIC OXIDE IN HETEROGENEOUS CATALYTIC REACTIONS" SHELEF,M.,KUMMER,J.T. CHEMICAL ENGINEERING PROGRESS SYMP. SERIES,V.67,NO.115,P.74-92,1971

KEYWORD	ACC NO	TITLE
REDXN-W/NH3	0136N	"EXHAUST GAS PURIFICATION" JONES,J.H.,WEAVER,F.F. U.S. PATENT 3,599,427,AUG. 17,1971,6P.
	0146N	"EPR STUDY OF CHANGES OF COORDINATION STATE OF TETRAVALENT VANADIUM IONS ON A VANADIUM CATALYST SURFACE UPON ADSORPTION OF NH3, SO2,N2O,AND N2" VOROTYNTSEV,V.M.,SHVETS,V.A.,KAZANSKIY,V.B. KENETIKI I KATALIZ,V.12,NO.3,P.678-684,1971 (RUSSIAN)
	0149N	"INVESTIGATION ON CATALYTIC REDUCTION OF EXIT NITRIC OXIDES BY AMMONIA" GAJEWSKI,A.,KUPIEK,S.,ZYGADLO,J. PRZEMYSL CHEM.,V.51,NO.1,P.44-46,1971 (POLISH)
	0163N	"INVESTIGATION OF THE KINETICS OF THE NITRIC OXIDE CATALYTIC REDUCTION BY AMMONIA IN THE PRESENCE OF OXYGEN" ATROSHCHENKO,V.I.,KULISH,O.N.,BYLINKIN,V.N. KHIM. TEKHNOL.,NO. 4,P.60-62,1971 (RUSSIAN)
	0164N	"CATALYTIC REDUCTION OF WASTE NITROGEN OXIDES" JARUS,S.,KRIZEK,J. CHEM. PRUMYSL (PRAGUE),17/42(11),P.581-586,1967 (CZECH.)
	0170N	"REMOVAL OF AMMONIA FROM GAS" MERKEL,H. W. GER. PATENT APPL. 2,026,657,JUNE 1,1970,10P.
	0175N	"THE INFLUENCE OF OXYGEN ON THE CATALYTIC REDUCTION OF NITRIC OXIDE BY AMMONIA" MARKVART,M.,POUR,V. J. CATALYSIS,7,P.279-281,1967

KEYWORD	ACC NO	TITLE
REDXN-W/NH3	0210N	"CATALYTIC TREATMENT OF NITRIC ACID PLANT TAIL GAS" ANDERSEN,H.C.,GREEN,W.J.,STEELE,D.R. INDUSTRIAL AND ENGINEERING CHEMISTRY,V. 53,NO. 3,MAR. 1961,P .199-204
	0211N	"STUDIES OF SURFACE REACTIONS BY NITROGEN - 15 ISOTOPE LABELING I. THE REACTION BETWEEN NITRIC OXIDE AND AMMONIA OVER SUPPORTED PLATINUM" OTTO,K.,SHELEF,M.,KUMMER,J.T. J. PHYS. CHEM.,74(13); 2690-2698,1970
	0212N	"STUDIES OF SURFACE REACTIONS OF NITRIC OXIDE BY ISOTOPE LABELING. IV. REDUCTION OF NITRIC OXIDE BY AMMONIA AND HYDROGEN OVER SUPPORTED RUTHENIUM" OTTO,K.,SHELEF,M. J. PHYS. CHEM.,85(5-6),308-322,1973
	0220N	"POWER AND INDUSTRY; CONTROL OF NITROGEN OXIDE EMISSIONS" PERRINE,R.L.,LIMIN,H. PROJECT CLEAN AIR. CALIF. UNIV. BERKELEY. TASK FORCE 5. 1(9) , SEPT. 1970
	0242N	"SELECTIVE REMOVAL OF NITROGEN OXIDES FROM OXYGEN-CONTAINING GASES ESPECIALLY FROM NITRIC ACID PRODUCTI COHN,J.,STEELE,D.K.,ANDERSEN,H.C. U.S. 2,975,025,NOV. 5, 1971
	0247N	"SECONDARY ION EMISSION STUDY OF THE CATALYTIC REACTIONS BETWEEN AMMONIA AND NITROUS OXIDE AND THE DECOMPOSITION OF NITROUS OXIDE ON PLATINUM" FOGEL,Y,M,NADYKTO,P.T.,SHVACHKO,V.I.,RYBALKO,V.F.,KOROBEHANS KINETIKA I KATALIZ, 5(5); 942-944, 1964

KEYWORD	ACC NO	TITLE
REDXN-W/NH3	0248N	"CATALYTIC REDUCTION OF NOX - PILOT PLANT OPERATION" ENVIRONICS INC. ENVIRONICS INC., HUNTINGTON BEACH, CA., PROGRESS REPORT, JUL Y 1973
	0253N	"NEW OXIDE CATALYST WITH PEROVSKITE-RELATED STRUCTURE FOR REDUCTION OF NO WITH NH3" KUDO,T.,MANABE,T.,GEJO,T.,SEKI,M.,YOSHIDA,K. PRESENTED AT 167TH MEETING OF AM. CHEM. SOC., DIV. OF WATER, AIR AND WASTE CHEM., LOS ANGELES,CA., APR. 1974
REDXN-W/OTHER	0158N	"INTERACTION OF NITRIC OXIDE WITH GRAPHITE" EDWARDS,H.W. PREPRINT, AMERICAN INST. OF CHEMICAL ENG.,NEW YORK,44P.,1971 ,FROM 64TH MEETING,PAPER 28D
	0214N	"METHOD OF NITROGEN OXIDES REMOVAL" ENDO,A.,TETSU,T.,KEIZO,M. JAPAN, PAT. SHO 47-50982, 3P., DEC. 21,1972
	0215N	"METHOD FOR REMOVING NITROGEN OXIDES FROM WASTE GASES" ENDO,A.,TETSU,T.,KEIZO,M. JAPAN PAT. SHO 47-50981, 3P., DEC. 21, 1972
	0240N	"CATALYTIC DECOMPOSITION OF NITRIC OXIDE" RIESZ,C.H.,MORRITZ,F.L.,FRANSON,K.D. AIR POLLUTION FOUNDATION REPORT, NO. 20, 22P., 1957
REL-MATL	0150N	"THE CATALYTIC OXIDATION OF AMMONIA INTO NITRIC ACID" NEUMANN,B.,ROSE,H. A. ANGEW. CHEM (WEINHEIM),V.1,P.45-48,51-55,FEB. 24,1920 (TR ANS. FROM GERMAN)

KEYWORD	ACC NO	TITLE
REL-MATL	0235N	"KINETICS OF THE THERMAL DECOMPOSITION AND FORMATION OF NITRIC OXIDE" VETTER,K. Z. ELECTROCHEM., PART I AND II, 53; 369-80, 1949
	0236N	"KINETICS OF DECOMPOSITION OF NITRIC OXIDE AT ELEVATED TEMPERATURES. I. RATE MEASUREMENTS IN A QUARTZ VESSEL" WISE,H.,FRECH,M.F. J. CHEM. PHYSICS, 20(1); 22-4, 1952
	0237N	"KINETICS OF DECOMPOSITION OF NO AT ELEVATED TEMPERATURES. II. THE EFFECT OF REACTION PRODUCTS AND THE MECHANISM OF DECOMPOSITION" WISE,H.,FRECH,M.F. J. CHEM. PHYSICS, 20(11); 1724-7, 1952
	0238N	"KINETICS OF DECOMPOSITION OF NITRIC OXIDE" KAUFMAN,F.,KELSO,J.R. J. CHEM. PHYSICS, 21(4); 751, 1953
	0239N	"KINETICS OF THE DECOMPOSITION OF NITRIC OXIDE THE THE RANGE 700-1800 DEG." YUAN,E.L.,SLAUGHTER,J.I.,KOERNER,W.E.,DANIELS,F. J. PHYS. CHEM., 63(6); 952-6, 1959
	0241N	"SULFUR REMOVAL DURING COMBUSTION OF SOLID FUELS IN A FLUIDIZED BED OF DOLOMITE" ZIELKE,C.W.,LEBOWITZ,H.E.,STRUCK,R.T.,GORIN,E. AMER. CHEM. SOC., DIV. OF FUEL CHEMISTRY, 13(4); 13-29, 1969

KEYWORD	ACC NO	TITLE
REL-MATL	0244N	"CATALYSIS" LAIDLER,K.J. REINHOLD (P.H. EMMET ED.), NEW YORK, V. 1, 1954, P. 149
	0249N	"SUPPORTED CHROMIUM OXIDE CATALYSIS FOR ETHYLENE POLYMERIZATION. THE CAUSE OF STABILIZATION OF CR ION" KARAKCHIEV,I.G.,ERMAKOV,Y.I.,KOLOVERTNOV,G.D. KINETIKA I KATALIZ, 8(1): 188-192, 1967
	0254N	"DEVELOPMENT OF A METHOD FOR THE ANALYSIS OF NO2 AND NH3 BY NO-MEASURING INSTRUMENTS" BREITENBACH,L.P.,SHELEF,M. J. OF THE AIR POLLUTION CONTROL ASSOC., 23(2): 128-131, 1973
REVIEW-ARTICLES	0005N	"CONTROL OF NOX EMISSIONS FROM STATIONARY SOURCES" BARTOK,W.,CRAWFORD,W.,SKOPP,A. CHEMICAL ENGINEERING PROGRESS,V.67,NO.2,FEB. 1971,P.64-72
	0006N	"STATUS OF NOX CONTROL FROM COMBUSTION SOURCES" CRYNES,B.L.,MADDOX,R.N. CHEMICAL TECHNOLOGY,AUG. 1971,P.502-509
	0012N	"NITRIC ACID PLANT FUME ABATERS" REED,R.M.,HARVIN,R.L. CHEMICAL ENGINEERING PROGRESS,V.68,NO.4,APR. 1972,P.78-79
	0014N	"CATALYSIS FOR CONTROL OF AUTOMOTIVE EMISSIONS" DWYER,F.G. CATALYSIS REVIEWS,V.6,NO.2,1972,P.261-291

KEYWORD	ACC NO	TITLE
REVIEW-ARTICLES	0036N	"CATALYTIC PURIFICATION OF TAIL GAS" GILLESPIE,G.R.,BOYUM,A.A.,COLLINS,M.F. CHEMICAL ENGINEERING PROGRESS,V.68,NO.4,APR. 1972,P.72-77
	0037N	"NOX CONTROL FROM STATIONARY SOURCES" HALL,H.J.,BARTOK,W. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.5,NO.4,APR. 1971,P.32 0-326
	0076N	"SYSTEM DESIGNS FOR THE CATALYTIC DECOMPOSITION OF NITROGEN OXIDES" DONAHUE,J.L. JOURNAL OF AIR POLLUTION CONTROL ASSOC.,V.8,NO.3,P.209-212,2 22,NOV. 1958
	0077N	"PRACTICAL SOLUTIONS OF AIR POLLUTION PROBLEMS FROM CHEMICAL PROCESSES" ZANON,D.,SORDELLI,D. CHIM. IND. (MILAN),V.48,NO.2,P.251-261,MAR. 1966 (TRANS. FRO M ITALIAN)
	0079N	"EMISSIONS AND ABATEMENT OF OXIDES OF NITROGEN IN NITRIC ACID MANUFACTURE" TESKE,W. CHEMICAL ENGINEERING,NO. 221,CE263-266,SEPT. 1968
	0083N	"THE CATALYTIC REDUCTION OF NITROUS GASES DURING THE MANUFACTURE OF NITRIC ACID" FEIST,J. PROCEEDINGS,INTERNATIONAL CLEAN AIR CONGRESS,LONDON,PT. 1,19 66,PAPER VI/15,P.199-202

KEYWORD	ACC NO	TITLE
REVIEW-ARTICLES	0086N	"CATALYST SYSTEM MORPHOLOGY AND DESIGN" DWYER,F.G. PROCEEDINGS,FIRST NATL. SYMP. ON HETEROGENEOUS CATALYSIS FOR CONTROL OF AIR POLLUTION,PHILADELPHIA,NOV. 1968,P.73-86
	0095N	"NITROGEN OXIDES FROM STATIONARY COMBUSTION FURNACE" OHYA,M. SANGYO KOGAI,V.5,NO.8,P.448-456,AUG. 25,1969 (JAPANESE)
	0102N	"PLATINUM CATALYSTS FOR THE CONTROL OF AIR POLLUTION; A TAIL GAS REDUCTION SYSTEM FOR NITRIC ACID PLANTS" HUNTER,J.B. PLATINUM METALS REV.,V. 9-12,P.2-6,1965-1968
	0108N	"CONTROL OF NITROGEN OXIDE EMISSIONS FROM STATIONARY COMBUSTION SOURCES" BARTOK,W.,CRAWFORD,A.R.,SKOPP,A. COMBUSTION,V.42,NO.4,P.37-40,OCT. 1970
	0110N	"TECHNIQUES FOR CONTROLLING THE OXIDES OF NITROGEN" HARDISON,L.C. JOURNAL AIR POLLUTION CONTROL ASSOC.,V.20,NO.6,P.377-382,JUN E 1970
	0116N	"AUTOMOBILE ENGINE DEVELOPMENT; TASK FORCE ASSESSMENT" CARETTO,L.S.,MCELROY,M.W.,NELSON,J.L.,VENTURINI,P.D. IN; PROJECT CLEAN AIR,CALIF. UNIV.,BERKELEY,DEPT. OF MECHANI CAL ENG.,TASK FORCE 1,V. 1,68P.,SEP. 1,1970
	0119N	"UTILIZATION OF CATALYST IN AIR POLLUTION CONTROL (3)" YAMANAKA,T. KAGAKU KOGYO (TOKYO),V.22,NO.4,P.534-539,APR. 1971 (JAPANESE)

KEYWORD	ACC NO	TITLE
REVIEW-ARTICLES	0124N	"CONTROL OF NITROGEN OXIDE EMISSIONS FROM NITRIC ACID MANUFACTURING PROCESSES" GERSTLE,R.W.,PETERSON,R.F. AIR ENGINEERING,V.9,NO.4,P.24-28,APR. 1967
	0126N	"CATALYTIC CONTROL OF AUTOMOBILE EXHAUST EMISSIONS" YOLLES,R.S.,WISE,H. CRC CRITICAL REV. ENVIRONMENTAL CONTROL,V.2,NO.1,P.125-146,APR. 1971
	0134N	"THE BEHAVIOR OF NITRIC OXIDE IN HETEROGENEOUS CATALYTIC REACTIONS" SHELEF,M.,KUMMER,J.T. CHEMICAL ENGINEERING PROGRESS SYMP. SERIES,V.67,NO.115,P.74-92,1971
	0144N	"CONTROL OF NITROGEN OXIDE EMISSIONS FROM COMBUSTION SOURCES; PT. I, STATIONARY COMBUSTION SOURCES" SOLOOJO,K.C. JOURNAL OF FUEL HEAT TECHNOLOGY,V.18,NO.1,P.2-6,JAN. 1972
	0145N	"AUTOMOTIVE EXHAUST GAS PURIFICATION CATALYST" TODO,M. SEKIYU TO SEKIYU KAGAKU (PETROL. PETROCHEM.),V.15,NO.7,P.103-108,1971 (JAPANESE)
	0155N	"CONTROL TECHNIQUES FOR NITROGEN OXIDE EMISSIONS FROM STATIONARY SOURCES" PUBLIC HEALTH SERVICE PUBLIC HEALTH SERVICE,WASHINGTON D.C.,NAPCA AP-67,113P.,MAR. 1970

KEYWORD	ACC NO	TITLE
REVIEW-ARTICLES	0160N	"THE CONVERSION CATALYSTS OF AUTOMOTIVE EXHAUST GAS" YOSHITOMI,S.,KASHIYAF,M. NENRYO KYOKAISHI (J. FUEL SOC. JAPAN, TOKYO),V.51,NO.541,P.2 74-280,MAY 1972 (JAPANESE)
	0168N	"CATALYSIS AND THE CONTROL OF OXIDES OF NITROGEN" ROMEO,P.L. PREPRINT, PUBLIC HEALTH SERVICE, NAPCA, AND MUCOM,28P.,1970
	0174N	"CATALYSTS FOR AUTO EXHAUST EMISSION CONTROL" YAMAKI,N.,TSUCHIMOTO,K. UNION OF JAPANESE SCIENTISTS AND ENGINEERS,PROC. INT. SYMP. AIR POLLUT.,TOKYO,JAPAN,1972,P.643-656 (JAPANESE)
	0178N	"SYSTEMS STUDY OF NITROGEN OXIDE CONTROL METHODS FOR STATIONARY SOURCES" BARTOK,W.,ET AL. ESSO RESEARCH AND ENGINEERING CO.,FINAL RPT.,V. 2,NO. GR-2-M PS-69,NOV. 20,1969 (PB 192-789)
	0186N	"NO(X) ABATEMENT TECHNOLOGY IN JAPAN" ANDO,J.,TOHATA,H. FACULTY OF SCIENCE AND ENGINEERING REPORT,CHUO UNIV.,KASUGA, BUNKYO-KU,TOKYO,MAY 1973
	0220N	"POWER AND INDUSTRY; CONTROL OF NITROGEN OXIDE EMISSIONS" PERRINE,R.L.,LIMIN,H. PROJECT CLEAN AIR, CALIF. UNIV. BERKELEY, TASK FORCE 5, 1(9) , SEPT. 1970

KEYWORD	ACC NO	TITLE
REVIEW-ARTICLES	0231N	"NITROGEN OXIDES; AN ANNOTATED BIBLIOGRAPHY" NATIONAL AIR POLLUTION CONTROL ADMINISTRATION NATIONAL AIR POLLUTION CONTROL AD. PUB. NO. AP-72, U.S. DEPT. OF H.E.W., RALIEGH, NO. CAROLINA, AUG. 1970
	0251N	"STUDY OF CATALYTIC CONTROL OF EXHAUST EMISSIONS FOR OTTO CYCLE ENGINES" YOLLES,R.S.,WISE,H.,BERRIMAN,L.P. STANFORD RESEARCH INSITIUTE, FINAL REPORT, IRVINE, CA., APR. 1970
SELECTIVE-CATAL	0011N	"SELECTIVE CATALYTIC REACTION OF HYDROGEN WITH NITRIC OXIDE IN THE PRESENCE OF OXYGEN" JONES,J.H.,ET AL. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,SEP. 1971,P.790-798
	0015N	"CATALYTIC REDUCTION OF WASTE NITROGEN OXIDES" MARKVART,M.,POUR,V. INTERNATIONAL CHEMICAL ENGINEERING,V.8,NO.2,APR. 1968,P.261-267
	0036N	"CATALYTIC PURIFICATION OF TAIL GAS" GILLESPIE,G.R.,BOYUM,A.A.,COLLINS,M.F. CHEMICAL ENGINEERING PROGRESS,V.68,NO.4,APR. 1972,P.72-77
	0038N	"SELECTIVE REMOVAL OF OXIDES OF NITROGEN FROM GAS MIXTURES CONTAINING OXYGEN" NONNENMACHER,H.,KARTTE,K. U.S. PATENT 3,279,384,OCT. 18,1966,4P.

KEYWORD	ACC NO	TITLE
SELECTIVE-CATAL	0042N	"KINETICS OF THE CONTACT INTERACTION OF AMMONIA WITH NITRIC OXIDE AND OXYGEN" KULISH,O.N.,ZASORIN,A.P.,ATROSHCHENKO,A.V. IZV. VYSSH. UCHEB. ZAVED.,KHIM. KHIM. TEKHNOL.,V.15,NO.6,1972,P.955-957(RUSS.)
	0051N	"CATALYSTS FOR THE INTERACTION OF NITROGEN OXIDES WITH AMMONIA STUDIED TO PURIFY WASTE GASES FROM NITRIC ACID PRODUCTION" ATROSHCHENKO,V.I.,ZASORIN,A.P.,KULISH,O.N. KATAL. KATAL.,1972,NO.9,P.26-30(RUSS.)
	0066N	"SELECTIVE REDUCTION OF NITROGEN OXIDES WITH AMMONIA" MARKVART,M.POUR,V. CHEM. PRUMYSL (PRAGUE),V.19,NO.1,P.8-12,1969 (CZECH.)
	0090N	"METHOD FOR REMOVING NITROGEN OXIDES FROM GASES THROUGH CATALYTIC REDUCTION OF THESE SUBSTANCES TO NITROGEN" SCHMIDT,K. WEST GERMAN PATENT 1,259,298,JAN. 25,1968,2P. (GERMAN)
	0112N	"UTILIZATION OF CATALYST IN AIR POLLUTION CONTROL" YAMANAKA,T. KAGAKU KOGYO (TOKYO),V.22,NO.3,P.102-108,MAR. 1971
	0136N	"EXHAUST GAS PURIFICATION" JONES,J.H.,WEAVER,F.F. U.S. PATENT 3,599,427,AUG. 17,1971,6P.
	0149N	"INVESTIGATION ON CATALYTIC REDUCTION OF EXIT NITRIC OXIDES BY AMMONIA" GAJEWSKI,A.,KUPIEK,S.,ZYGADLO,J. PRZEMYSL CHEM.,V.51,NO.1,P.44-46,1971 (POLISH)

KEYWORD	ACC NO	TITLE
SELECTIVE-CATAL	0155N	"CONTROL TECHNIQUES FOR NITROGEN OXIDE EMISSIONS FROM STATIONARY SOURCES" PUBLIC HEALTH SERVICE PUBLIC HEALTH SERVICE,WASHINGTON D.C.,NAPCA AP-67,113P.,MAR. 1970
	0158N	"INTERACTION OF NITRIC OXIDE WITH GRAPHITE" EDWARDS,H.W. PREPRINT, AMERICAN INST. OF CHEMICAL ENG.,NEW YORK,44P.,1971 ,FROM 64TH MEETING,PAPER 28D
	0163N	"INVESTIGATION OF THE KINETICS OF THE NITRIC OXIDE CATALYTIC REDUCTION BY AMMONIA IN THE PRESENCE OF OXYGEN" ATRUSHCHENKO,V.I.,KULISH,O.N.,BYLINKIN,V.N. KHIM. TEKHNOL.,NO. 4,P.60-62,1971 (RUSSIAN)
	0170N	"REMOVAL OF AMMONIA FROM GAS" MERKEL,H. W. GER. PATENT APPL. 2,026,657,JUNE 1,1970,10P.
	0175N	"THE INFLUENCE OF OXYGEN ON THE CATALYTIC REDUCTION OF NITRIC OXIDE BY AMMONIA" MARKVART,M.,POUR,V. J. CATALYSIS,7,P.279-281,1967
	0178N	"SYSTEMS STUDY OF NITROGEN OXIDE CONTROL METHODS FOR STATIONARY SOURCES" BARTOK,W.,ET AL. ESSO RESEARCH AND ENGINEERING CO.,FINAL RPT.,V. 2,NO. GR-2-M PS-69,NOV. 20,1969 (PB 192-789)

KEYWORD	ACC NO	TITLE
SELECTIVE-CATAL	0181N	"CATALYTIC REMOVAL OF AMMONIA AND NITROGEN OXIDES FROM SPACECABIN ATMOSPHERES" GULLY,A.J.,ET AL. TEXAS TECH. UNIV.,LUBBOCK,NASA CONTRACT REP-2132,FEB 1973.17 0P.
	0210N	"CATALYTIC TREATMENT OF NITRIC ACID PLANT TAIL GAS" ANDERSEN,H.C.,GREEN,W.J.,STEELE,D.R. INDUSTRIAL AND ENGINEERING CHEMISTRY,V. 53,NO. 3,MAR. 1961,P .199-204
	0211N	"STUDIES OF SURFACE REACTIONS BY NITROGEN - 15 ISOTOPE LABELING I. THE REACTION BETWEEN NITRIC OXIDE AND AMMONIA OVER SUPPORTED PLATINUM" OTTO,K.,SHELEF,M.,KUMMER,J.T. J. PHYS. CHEM.,74(13); 2690-2698,1970
	0212N	"STUDIES OF SURFACE REACTIONS OF NITRIC OXIDE BY ISOTOPE LABELING. IV, REDUCTION OF NITRIC OXIDE BY AMMONIA AND HYDROGEN OVER SUPPORTED RUTHENIUM" OTTO,K.,SHELEF,M. J. PHYS. CHEM.,85(5-6),308-322,1973
	0242N	"SELECTIVE REMOVAL OF NITROGEN OXIDES FROM OXYGEN-CONTAINING GASES ESPECIALLY FROM NITRIC ACID PRODUCTI COHN,J.,STEELE,D.R.,ANDERSEN,H.C. U.S. 2,975,025,NOV. 5, 1971
	0247N	"SECONDARY ION EMISSION STUDY OF THE CATALYTIC REACTIONS BETWEEN AMMONIA AND NITROUS OXIDE AND THE DECOMPOSITION OF NITROUS OXIDE ON PLATINUM" FOGEL,Y,M,NADYKTO,B.T.,SHVACHKO,V.I.,RYBALKO,V.F.,KOROBEHANS KINETIKA I KATALIZ, 5(5); 942-944, 1964

KEYWORD	ACC NO	TITLE
SELECTIVE-CATAL	0248N	"CATALYTIC REDUCTION OF NOX - PILOT PLANT OPERATION" ENVIRONICS INC. ENVIRONICS INC., HUNTINGTON BEACH, CA., PROGRESS REPORT, JULY 1973
SIM-NOX-SOX-CON	0095N	"NITROGEN OXIDES FROM STATIONARY COMBUSTION FURNACE" OHYA,M. SANGYO KOGAI,V.5,NO.8,P.448-456,AUG. 25,1969 (JAPANESE)
	0107N	"PROCESS FOR REDUCING NITRIC OXIDE TO NITROUS OXIDE" SLAUGH,L.H. U.S. PATENT 3,321,274,MAY 23,1967,2P.
	0138N	"REMOVAL OF SULFUR DIOXIDE FROM WASTE GASES BY REDUCTION TO ELEMENTAL SULFUR (FINAL REPORT)" TORO,R.F.,MAGDER,J.,GODING,A.T. PRINCETON CHEMICAL RESEARCH INC.,N.J.,295P.,JULY 30,1969
	0185N	"SIMULTANEOUS CATALYTIC REDUCTION OF NITRIC OXIDE AND SULFUR DIOXIDE BY CARBON MONOXIDE" QUINLAN,C.W.,OKAY,V.C.,KITTRELL,J.R. IND. ING. CHEM. PROCESS DES. DEVELOP.,V. 12,NO.3,1973,P.359-365
	0222N	"METHOD OF REMOVING SULFUR DIOXIDE AND NITROGEN OXIDES FROM GASES" RYASON,P.R. U.S. PAT. 3,454,355, JULY 8, 1969
	0241N	"SULFUR REMOVAL DURING COMBUSTION OF SOLID FUELS IN A FLUIDIZED BED OF DOLOMITE" ZIELKE,C.W.,LEBOWITZ,H.E.,STRUCK,R.T.,GORIN,F. AMER. CHEM. SOC., DIV. OF FUEL CHEMISTRY, 13(4); 13-29, 1969

KEYWORD	ACC NO	TITLE
STATION-SOURCE	0005N	"CONTROL OF NOX EMISSIONS FROM STATIONARY SOURCES" BARTOK,W.,CRAWFORD,W.,SKOPP,A. CHEMICAL ENGINEERING PROGRESS,V.67,NO.2,FEB. 1971,P.64-72
	0006N	"STATUS OF NOX CONTROL FROM COMBUSTION SOURCES" CRYNES,B.L.,MADDOX,R.N. CHEMICAL TECHNOLOGY,AUG. 1971,P.502-509
	0012N	"NITRIC ACID PLANT FUME ABATERS" REED,R.M.,HARVIN,R.L. CHEMICAL ENGINEERING PROGRESS,V.68,NO.4,APR. 1972,P.78-79
	0015N	"CATALYTIC REDUCTION OF WASTE NITROGEN OXIDES" MARKVART,M.,POUR,V. INTERNATIONAL CHEMICAL ENGINEERING,V.8,NO.2,APR. 1968,P.261-267
	0030N	"STUDIES ON A NEW METHOD OF SIMULTANEOUSLY REMOVING SULFUR DIOXIDE AND OXIDES OF NITROGEN FROM COMBUSTION GASES" RYASON,P.R.,HARKINS,J. JOURNAL OF THE AIR POLLUTION CONTROL ASSOCIATION,V.17,NO.12,DEC. 1967,P.796-799
	0032N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM EXHAUST GASES OF NITRIC ACID PLANTS" VAN DER DRIFT,J. CHEM. TECH,V24,NO.10,1969,P.301-305(NETH.)
	0036N	"CATALYTIC PURIFICATION OF TAIL GAS" GILLESPIE,G.R.,BOYUM,A.A.,COLLINS,M.F. CHEMICAL ENGINEERING PROGRESS,V.68,NO.4,APR. 1972,P.72-77

KEYWORD	ACC NO	TITLE
STATION-SOURCE	0037N	"NOX CONTROL FROM STATIONARY SOURCES" HALL,H.J.,BARTOK,W. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.5,NO.4,APR. 1971,P.32 0-326
	0038N	"SELECTIVE REMOVAL OF OXIDES OF NITROGEN FROM GAS MIXTURES CONTAINING OXYGEN" NONNENMACHER,H.,KARTTE,K. U.S. PATENT 3,279,384,OCT. 18,1966,4P.
	0039N	"PROCESS FOR CATALYTICALLY REDUCING NITROGEN OXIDES IN INDUSTRIAL STACK GASES" CHILDERS,E.,ELLIS,C.W.,RYAN,D.J. U.S. PATENT 2,910,343,OCT. 27,1959,7P.
	0041N	"EFFICIENT AND ECONOMICAL DECOMPOSITION OF OXIDES OF NITROGEN" HARRIS,S.W.,MORELLO,F.F.,PETERS,G.H. U.S. PATENT 3,459,494,AUG. 5,1969,2P.
	0042N	"KINETICS OF THE CONTACT INTERACTION OF AMMONIA WITH NITRIC OXIDE AND OXYGEN" KULISH,O.N.,ZASORIN,A.P.,ATROSHCHENKO,A.V. IZV. VYSSH. UCHEB. ZAVED.,KHIM. KHIM. TEKHNOL.,V.15,NO.6,197 2,P.955-957(RUSSL)
	0047N	"COMPARATIVE EMISSIONS OF POLLUTANTS DURING COMBUSTION OF NATURAL GAS AND COAL IN FLUIDIZED BEDS" JARRY,R.L.,ANASTASIA,L.J.,CARLS,E.L.,JONKE,A.A. AIR POLLUTION CONTROL OFFICE,1972,AP-109,I-5,13PP.

KEYWORD	ACC NO	TITLE
STATION-SOURCE	0051N	"CATALYSTS FOR THE INTERACTION OF NITROGEN OXIDES WITH AMMONIA STUDIED TO PURIFY WASTE GASES FROM NITRIC ACID PRODUCTION" ATRUSHCHENKO,V.I.,ZASORIN,A.P.,KULISH,O N. KATAL. KATAL.,1972,NO.9,P.26-30(RUSS.)
	0063N	"METHOD OF DECOMPOSING NITROGEN OXIDES" STEPHENS,R.E. U.S. PATENT 3,552,913,JAN. 5,1971,4P.
	0066N	"SELECTIVE REDUCTION OF NITROGEN OXIDES WITH AMMONIA" MARKVART,M.POUR,V. CHEM. PRUMYSL (PRAGUE),V.19,NO.1,P.8-12,1969 (CZECH.)
	0071N	"A NEW FAMILY OF CATALYSTS FOR NITRIC ACID TAIL GASES" ANDERSEN,H.C.,ROMEO,P.L.,GREEN,W.J. NITROGEN,NO. 50,P.33-36,NOV./DEC. 1967
	0073N	"METHOD OF REMOVING NITROGEN OXIDES FROM GASES" CHILDERS,E.,ELLIS,C.W.,RYAN,D.J. U.S. PATENT 3,125,408,MAR. 17,1964
	0074N	"METHOD OF REMOVING NITROGEN OXIDES FROM GASES" COHN,J.G.E. U.S. PATENT 3,118,727,JAN. 21,1964,4P.
	0076N	"SYSTEM DESIGNS FOR THE CATALYTIC DECOMPOSITION OF NITROGEN OXIDES" DONAHUE,J.L. JOURNAL OF AIR POLLUTION CONTROL ASSOC.,V.8,NO.3,P.209-212,2 22,NOV. 1958

KEYWORD	ACC NO	TITLE
STATION-SOURCE	0077N	"PRACTICAL SOLUTIONS OF AIR POLLUTION PROBLEMS FROM CHEMICAL PROCESSES" ZANON,D.,SORDELLI,D. CHIM. IND. (MILAN),V.48,NO.2,P.251-261,MAR. 1966 (TRANS. FROM ITALIAN)
	0082N	"CATALYTIC AFTERBURNING OF ORGANIC AIR POLLUTANTS" BETZ,E.C.,FEIST,H.J. TECHNIK (BERLIN),V.20,NO.6,P.395-400,JUNE 1965 (GERMAN TR.)
	0083N	"THE CATALYTIC REDUCTION OF NITROUS GASES DURING THE MANUFACTURE OF NITRIC ACID" FEIST,J. PROCEEDINGS,INTERNATIONAL CLEAN AIR CONGRESS,LONDON,PT. I,1966,PAPER VI/15,P.199-202
	0084N	"PLATINUM CATALYSTS AND AIR POLLUTION CONTROL" HUNTER,J.B. S. AFRICAN MINING ENG. J.,1968,P.438-440,FEB. 23,1968
	0089N	"THE KINETICS OF THE REACTION BETWEEN AMMONIA AND NITRIC OXIDE ON THE SURFACE OF A PLATINUM FILAMENT" MICHAILOVA,E.A. ACTA PHYSICOCHIM. USSR,V.10,NO.5,P.653-676,1939
	0090N	"METHOD FOR REMOVING NITROGEN OXIDES FROM GASES THROUGH CATALYTIC REDUCTION OF THESE SUBSTANCES TO NITROGEN" SCHMIDT,K. WEST GERMAN PATENT 1,259,298,JAN. 25,1968,2P. (GERMAN)

KEYWORD	ACC NO	TITLE
STATION-SOURCE	0091N	"CLEANING OF INDUSTRIAL GASES WITH PRECIOUS METAL CATALYSTS" ANDERSEN,H.C. DECHEMA MONOGRAPH.,V.40,P.325-333,1962 (GERMAN)
	0097N	"NATURAL-GAS CATALYTIC REDUCTION OF NITRIC OXIDE TAIL GASES FROM NITRIC ACID PRODUCTION" TIKHONENKO,A.D.,NABIEV,M.N. UZBESK. KHIM. ZH.,V.11,NO.4,P.6-9,1967 (RUSSIAN)
	0099N	"ELIMINATION OF NITROUS GAS EMISSION BY CATALYTIC REDUCTION" JEITNER,O.,KONIG,K. CHEM. TECH. (BERLIN),V.19,NO.3,P.166-169,MAR. 1967 (GERMAN)
	0107N	"PROCESS FOR REDUCING NITRIC OXIDE TO NITROUS OXIDE" SLAUGH,L.H. U.S. PATENT 3,321,274,MAY 23,1967,2P.
	0110N	"TECHNIQUES FOR CONTROLLING THE OXIDES OF NITROGEN" HARDISON,L.C. JOURNAL AIR POLLUTION CONTROL ASSOC.,V.20,NO.6,P.377-382,JUN E 1970
	0112N	"UTILIZATION OF CATALYST IN AIR POLLUTION CONTROL" YAMANAKA,T. KAGAKU KOGYO (TOKYO),V.22,NO.3,P.102-108,MAR. 1971
	0115N	"DESIGN, CONSTRUCTION AND TESTING OF CATALYTIC AFTERBURNERS FOR REMOVAL OF AIR POLLUTANTS FORMED IN AUTOMOTIVE AND STATIONARY COMBUSTION PROCESSES" BAUERLE,G.L.,NOBE,K. IN PROJECT CLEAN AIR,V.1,U.C.L.A. SCHOOL OF ENGINEERING,RESE ARCH PROJ. S-2,46P.,SEP. 1,1970

KEYWORD	ACC NO	TITLE
STATION-SOURCE	0117N	"BENCH SCALE INVESTIGATION OF INCRA CATALYST FOR THE TREATMENT OF NITRIC ACID MANUFACTURING PLANT ATMOSPHERIC EMI CHEMICAL CONSTRUCTION CORP. CHEMICAL CONSTRUCTION CORP.,NEW YORK,CONSULTING DIV.,FINAL R EPT. 0053C,87P.,MAR. 1969
	0118N	"PROCESS FOR THE OXIDATION OF NITRIC OXIDE" ANDERSEN,H.C.,HALEY,A.J. U.S. PATENT 3,079,232,FEB. 26,1963,4P.
	0122N	"ON REMOVAL OF NO GAS GENERATED IN MEDIUM AND SMALL SIZE CHEMICAL FACTORIES" OYA,S.,OYA,N. PREPRINT, SAFETY ENGINEERING SOCIETY OF JAPAN. TOKYO,4P.,197 0 (JAPANESE)
	0123N	"NITROGEN OXIDE POLLUTION; NITRIC ACID PLANT POLLUTANTS" NEWMAN,D.J. CHEMICAL ENGINEERING PROGRESS,V.67,NO.2,P.79-84,FEB. 1971
	0124N	"CONTROL OF NITROGEN OXIDE EMISSIONS FROM NITRIC ACID MANUFACTURING PROCESSES" GERSTLE,R.W.,PETERSON,R.F. AIR ENGINEERING,V.9,NO.4,P.24-28,APR. 1967
	0125N	"METHOD TO MANUFACTURE VAPOR-PHASE OXIDATION CATALYST FOR SULFUROUS ACID GAS" NINOMIYA,N.,ICHIKAWA,H.,NISHINO,H. JAPAN. PATENT SHO 46-7571,FEB. 25,1971,2P.

KEYWORD	ACC NO	TITLE
STATION-SOURCE	0127N	"CONTACT TYPE REMOVAL METHOD FOR NO CONTAINED IN GAS MANUFACTURED FROM COAL, COKE, OR OIL" TAKETO,O.,ABE,T.,TOYAMA,A.,HASEBA,S. JAPAN. PATENT SHO 46-18383,MAY 22,1971,4P. (JAPANESE)
	0131N	"FILTER FOR ELIMINATING HARMFUL GAS" KANBE,R. PREPRINT, REUTILIZATION OF RESOURCES TECHNICAL ASSOC. (JAPAN),6P.,1971 (JAPANESE)
	0135N	"METHOD OF REMOVING NITROGEN OXIDES FORM GASES" KANDELL,P.,NEMES,G. U.S. PATENT 3,567,367,MAR. 2,1971,3P.
	0137N	"CATALYSTS FOR PURIFICATION OF WASTE GASES CONTAINING OXIDES OF NITROGEN" HINDIN,S.G.,DETTLING,J.C. U.S. PATENT 3,615,166,OCT. 26,1971,5P.
	0138N	"REMOVAL OF SULFUR DIOXIDE FROM WASTE GASES BY REDUCTION TO ELEMENTAL SULFUR (FINAL REPORT)" TORO,R.F.,MAGDER,J.,GODING,A.T. PRINCETON CHEMICAL RESEARCH INC.,N.J.,295P.,JULY 30,1969
	0144N	"CONTROL OF NITROGEN OXIDE EMISSIONS FROM COMBUSTION SOURCES; PT. I, STATIONARY COMBUSTION SOURCES" SOLOOJO,K.C. JOURNAL OF FUEL HEAT TECHNOLOGY,V.18,NO.1,P.2-6,JAN. 1972
	0146N	"EPR STUDY OF CHANGES OF COORDINATION STATE OF TETRAVALENT VANADIUM IONS ON A VANADIUM CATALYST SURFACE UPON ADSORPTION OF NH3, SO2,N2O,AND N2" VOROTYNTSEV,V.M.,SHVETS,V.A.,KAZANSKIY,V.B. KENETIKI I KATALIZ,V.12,NO.3,P.678-684,1971 (RUSSIAN)

KEYWORD	ACC NO	TITLE
STATION-SOURCE	0149N	"INVESTIGATION ON CATALYTIC REDUCTION OF EXIT NITRIC OXIDES BY AMMONIA" GAJEWSKI,A.,KUPIEK,S.,ZYGADLO,J. PRZEMYSL CHEM.,V.51,NO.1,P.44-46,1971 (POLISH)
	0153N	"THERMAL AND CATALYTIC WASTE GAS CLEANING INCLUDING THE WET NITROGEN OXIDE PROCEDURES" BRAND,H. CHEM. TECH. (BERLIN),V.1,NO.5,P.224-225,MAY 1972 (GERMAN)
	0154N	"CATALYTIC REMOVAL OF NOX IN GASES" INOUE,T. NENKYO KYOKAISHI (J. FUEL SOC. JAPAN, TOKYO),V.51,NO.1,P.19-24,JAN. 1972 (JAPANESE)
	0156N	"ACTIVITY OF COBALT IONS DISPERSED IN MAGNESIUM OXIDE FOR THE DECOMPOSITION OF NITROUS OXIDE" CIMINO,A.,PEPE,F. JOURNAL OF CATALYSIS,V.25,NO.3,P.362-377,JUNE 1972
	0163N	"INVESTIGATION OF THE KINETICS OF THE NITRIC OXIDE CATALYTIC REDUCTION BY AMMONIA IN THE PRESENCE OF OXYGEN" ATROSHCHENKO,V.I.,KULISH,O.N.,BYLINKIN,V.N. KHIM. TEKHNOL.,NO. 4,P.60-62,1971 (RUSSIAN)
	0164N	"CATALYTIC REDUCTION OF WASTE NITROGEN OXIDES" JAROS,S.,KRIZEK,J. CHEM. PRUMYSL (PRAGUE),17/42(11),P.581-586,1967 (CZECH.)
	0165N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM WASTE GASES ON NICKEL CATALYSTS" TIKHONENKO,A.D.,NABIYEV,M.N.,IBRAGIMOV,Y.I. UZBEKSK. KHIM. ZH.,NO. 4,P.6-8,1970 (RUSSIAN)

KEYWORD	ACC NO	TITLE
STATION-SOURCE	0168N	"CATALYSIS AND THE CONTROL OF OXIDES OF NITROGEN" ROMEO,P.L. PREPRINT, PUBLIC HEALTH SERVICE, NAPCA, AND MUCOM,28P.,1970
	0170N	"REMOVAL OF AMMONIA FROM GAS" MERKEL,H. W. GER. PATENT APPL. 2,026,657,JUNE 1,1970,10P.
	0176N	"CATALYTIC REMOVAL OF NITROGEN OXIDES, CARBON MONOXIDE AND HYDROCARBONS FROM COMBUSTION EXHAUST STREAMS" TAYLOR,F.R. FRANKLIN INSTITUTE LABORATORIES,PHILADELPHIA,PA.,1959,18P.
	0182N	"POLLUTION FROM NITRIC ACID PLANTS; PURIFICATION OF TAIL GAS USING PLATINUM CATALYSTS" SEARLES,R.A. PLATINUM MET. REV.,V.17,NO.2,APR. 1973,P.57-63
	0183N	"REDUCTION CATALYST FOR NITRIC OXIDE IN EXHAUST AND FLUE GASES" STENZEL,J.,HARNISCH,H.,KNAPSACK,A.G. GER. OFFEN. 2165550 (B 01J),JULY 5,1973,12P.
	0184N	"REDUCTION OF NITROGEN OXIDE IN EXHAUST AND WASTE GASES" STENZEL,J.,KNAPSACK,A.G. GER. OFFEN. 2165548 (B 01D),JULY 5,1973,15P.
	0185N	"SIMULTANEOUS CATALYTIC REDUCTION OF NITRIC OXIDE AND SULFUR DIOXIDE BY CARBON MONOXIDE" QUINLAN,C.W.,OKAY,V.C.,KITTRELL,J.R. IND. ING. CHEM. PROCESS DES. DEVELOP.,V. 12,NO.3,1973,P.359-365

KEYWORD	ACC NO	TITLE
STATION-SOURCE	0186N	"NO(X) ABATEMENT TECHNOLOGY IN JAPAN" ANDO,J.,TOHATA,H. FACULTY OF SCIENCE AND ENGINEERING REPORT,CHUO UNIV.,KASUGA, BUNKYO-KU,TOKYO,MAY 1973
	0187N	"CONTINUOUS CATALYTIC ABSORPTION FOR NO(X) EMISSION CONTROL" MAYLAND,B.J.,HEINZE,R.C. CHEMICAL ENGINEERING PROGRESS V.69,NO.5,MAY 1973,P.75-76
	0188N	"REMOVING OXIDES OF NITROGEN PRESENT IN GASES PRODUCED FROM COAL, COKE, OR OILS AS RAW MATERIALS BY A CATALYTIC HYDROGENATION" OHKI,T.,SATOSHI,A.,TOYAMA,A.,HASEBA,S. JAPAN. 73 01801 (C 10K, B 01J, C 01B),JAN. 20,1973,3P.
	0190N	"CATALYTIC DECOMPOSITION OF NITROGEN OXIDES" OODAN,K.,SASAYA,H.,YOSHIDA,K.,OTSUKA,H. JAPAN. KOKAI 7355870 (13(7)A11), AUG. 6,1973,4P.
	0194N	"OXIDATION OF NITROGEN MONOXIDE" TAKEYAMA,T.,ENDO,R.,MASUDA,K. JAPAN. KOKAI 73 32795 (15 B22),MAY 2,1973,3P.
	0195N	"CATALYTIC PURIFICATION OF WASTE GASES FROM NITRIC ACID MANUFACTURE" COLLINS,M.F.,MICHALEK,R. GER. OFFEN. 2255732 (C 01B),MAY 24,1973,16P.
	0199N	"PALLADIUM-PLATINUM CATALYSTS FOR DECOMPOSITION OF NITROGEN OXIDES" TSUNOI,K.,TADA,K. JAPAN. KOKAI 73 15785,FEB. 28,1973,3P.

KEYWORD	ACC NO	TITLE
STATION-SOURCE	0202N	"CATALYST FOR REDUCING NITROGEN OXIDES" KOORI,Y.,OKAMOTO,O.,KAWAKAMI,A.,WATANABE,S. JAPAN. KOKAI 73 28391 (13(9)G11),APR. 14,1973.3P.
	0206N	"CATALYTIC PROPERTIES OF METAL OXIDES OF PERIOD VI OF THE PERIODIC SYSTEM WITH RESPECT TO OXIDATION REACTIONS" YUREVA,T.M.,POPOVSKII,V.V.,BORESKOV,G.K. TRANSLATED FROM KINETIKA I KATALIZ,V. 6,NO. 6.NOV.-DEC. 1965 ,P.1041-1045
	0210N	"CATALYTIC TREATMENT OF NITRIC ACID PLANT TAIL GAS" ANDERSEN,H.C.,GREEN,W.J.,STEELE,D.R. INDUSTRIAL AND ENGINEERING CHEMISTRY,V. 53,NO. 3,MAR. 1961,P .199-204
	0217N	"EXPERIMENTS FOR THE PRODUCTION OF INERT GAS FROM THE WASTE GASES OF A NITRIC ACID PLANT" PORZEL,W.,WOLFGANG,K. CHEM. TECH., 23(9); 537-539, SEPT. 1971
	0218N	"CONTACT TYPE REMOVAL METHOD FOR NO CONTAINED IN GAS MANUFACTURED FROM COAL, COKE, OR OIL" OKI,T.,TETSU,A.,AKIRA,T.,SHIGERU,H. JAPAN PAT. SHO 46-18383, 4P., MAY 22, 1971
	0219N	"NITROGEN OXIDE POLLUTION; PROCESSING NITRIC ACID TAIL GAS" ADLHART,O.J.,HINDIN,S.G.,KENSON,R.E. CHEM. ENG. PROGR., 67(2); 73-78, 1971
	0220N	"POWER AND INDUSTRY; CONTROL OF NITROGEN OXIDE EMISSIONS" PERKINE,R.L.,LIMIN,H. PROJECT CLEAN AIR, CALIF. UNIV. BERKELEY, TASK FORCE 5, 1(9) , SEPT. 1970

KEYWORD	ACC NO	TITLE
STATION-SOURCE	0221N	"UTILIZATION OF TIED NITROGEN DURING CATALYTIC REDUCTION OF NITROGEN OXIDE" JAROS,S.,KRIZEK,J.,SEBEK,J. CZECH. PAT. 124669, OCT. 15, 1967
	0222N	"METHOD OF REMOVING SULFUR DIOXIDE AND NITROGEN OXIDES FROM GASES" RYASON,P.R. U.S. PAT. 3,454,355, JULY 8, 1969
	0242N	"SELECTIVE REMOVAL OF NITROGEN OXIDES FROM OXYGEN-CONTAINING GASES ESPECIALLY FROM NITRIC ACID PRODUCTI COHN,J.,STEELE,D.R.,ANDERSEN,H.C. U.S. 2,975,025,NOV. 5, 1971
	0248N	"CATALYTIC REDUCTION OF NOX - PILOT PLANT OPERATION" ENVIRONICS INC. ENVIRONICS INC., HUNTINGTON BEACH, CA., PROGRESS REPORT, JUL Y 1973
	0259N	"PROCESSING NITRIC ACID TAIL GAS" ADLHART,O.J.,HINDIN,S.G.,KENSON,R.F. CHEM. ENG. PROGRESS, 67(2), 73-78
TRANS-METAL-CAT	0001N	"THE HETEROGENEOUS DECOMPOSITION OF NITRIC OXIDE ON SUPPORTED CATALYSTS" SHELEF,M.,OTTO,K.,GANDHI,H. ATMOSPHERIC ENVIRONMENT,V. 3,1969,P.107-122
	0004N	"CATALYTIC REDUCTION OF NITROGEN DIOXIDE WITH HYDROGEN" AYEN,R.J.,AMIRNAZMI,A. A.I.CH.E. CLEVELAND MEETING,MAY 1969,30P.

KEYWORD	ACC NO	TITLE
TRANS-METAL-CAT	0007N	"THE CATALYTIC DECOMPOSITION OF NITRIC OXIDE BY METALLIC OXIDES" WINTER,E.R.S. JOURNAL OF CATALYSTS,V.22,1971,P.158-170
	0008N	"THE HETEROGENEOUS DECOMPOSITION OF NITRIC OXIDE WITH OXIDE CATALYSTS" FRASER,J.M.,DANIELS,F. JOURNAL OF PHYSICAL CHEMISTRY,V.62,FEB. 1958,P.215-222
	0009N	"APPERANCE OF N2O IN THE CATALYTIC REDUCTION OF NO BY CO" SHELEF,M.,OTTO,K. JOURNAL OF CATALYSTS,V.10,1968,P.408-413
	0013N	"AMMONIA INTERMEDIACY AS A BASIS FOR CATALYST SELECTION FOR NITRIC OXIDE REDUCTION" KLIMISCH,R.L.,TAYLOR,K.C. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.7,NO.2,FEB. 1972,P.12 7-131
	0015N	"CATALYTIC REDUCTION OF WASTE NITROGEN OXIDES" MARKVART,M.,POUR,V. INTERNATIONAL CHEMICAL ENGINEERING,V.8,NO.2,APR. 1968,P.261- 267
	0017N	"AMMON FORMATION IN CATALYTIC REDUCTION OF NITRIC OXIDE BY MOLECULAR HYDROGEN" SHELEF,M.,GANDHI,H.S. IND. ENG. CHEM. PROD. RES. DEVELOP.,V.11,NO.1,MAR. 1972,P.2- 11

KEYWORD	ACC NO	TITLE
TRANS-METAL-CAT	0019N	"PREREDUCED CUPRIC OXIDE-COBALTIC OXIDE REDOX CATALYSTS" BAKER,R.A.,DOERR,R.C. U.S. PATENT 3,398,101,AUG. 20,1968,8P.
	0024N	"CATALYTIC DECOMPOSITION OF NITRIC OXIDE PRESENT IN LOW CONCENTRATIONS" SOURIRAJAN,S.,BLUMENTHAL,J.L. PROC. 2ND INT. CONGRESS CATALYSIS,PAPER 131,PARIS,1960
	0025N	"TUNGSTEN BRONZES AND MIXED COBALT OXIDES AS POTENTIAL CATALYSTS FOR POLLUTION CONTROL" BAUERLE,G.L.,THOMAS,N.T.,NOBE,K. CHEMICAL ENGINEERING JOURNAL,V.4,1972,P.199-200
	0029N	"CATALYTIC REDUCTION OF NITRIC OXIDE" AYEN,R.J.,PETERS,M.S. I AND EC PROCESS DESIGN AND DEVELOPMENT,V.1,NO.3,JULY 1962,P.204-207
	0031N	"CATALYST FOR COMPLETE REMOVAL OF OXIDES OF NITROGEN FROM AUTOMOBILE EXHAUST" KUSHIRO,I.,ET AL. SEIDEI DAIGAKU KOGAKUBU KAGAKU HOKOKU,V.7,1969,P.545-546(JAPAN)
	0035N	"CATALYTIC REDUCTION OF NITROGEN OXIDES IN AUTOMOBILE EXHAUST" BAKER,R.A.,DOERR,R.C. JOURNAL OF AIR POLLUTION CONTROL ASSOCIATION,V.14,NO.10,OCT. 1964,P.409-414

KEYWORD	ACC NO	TITLE
TRANS-METAL-CAT	0038N	"SELECTIVE REMOVAL OF OXIDES OF NITROGEN FROM GAS MIXTURES CONTAINING OXYGEN" NONNENMACHER,H.,KARTTE,K. U.S. PATENT 3,279,384,OCT. 18,1966,4P.
	0039N	"PROCESS FOR CATALYTICALLY REDUCING NITROGEN OXIDES IN INDUSTRIAL STACK GASES" CHILDERS,E.,ELLIS,C.W.,RYAN,D.J. U.S. PATENT 2,910,343,OCT. 27,1959,7P.
	0042N	"KINETICS OF THE CONTACT INTERACTION OF AMMONIA WITH NITRIC OXIDE AND OXYGEN" KULISH,O.N.,ZASORIN,A.P.,ATROSHCHENKO,A.V. IZV. VYSSH. UCHEB. ZAVED.,KHIM. KHIM. TEKHNOL.,V.15,NO.6,1972,P.955-957(RUSSI)
	0044N	"NOVEL CATALYSTS AND CATALYST SUPPORTS FOR CONTROL OF NITROGEN OXIDES IN AUTOMOBILE" BALGORD,W.D.,WANG,K.K. PROCEEDINGS OF 2ND INTERNATIONAL CLEAN AIR CONGRESS,1970,P.818-826
	0045N	"NITROGEN OXIDE: FORMATION, SUPPRESSION, AND CATALYTIC REDUCTION" MEGUERIAN,G.H. WATER AIR CONSERV. PETROL. IND.,1971,P.21-21
	0047N	"COMPARATIVE EMISSIONS OF POLLUTANTS DURING COMBUSTION OF NATURAL GAS AND COAL IN FLUIDIZED BEDS" JARRY,R.L.,ANASTASIA,L.J.,CARLS,E.L.,JONKE,A.A. AIR POLLUTION CONTROL OFFICE,1972,AP-109,I-5,13PP.

KEYWORD	ACC NO	TITLE
TRANS-METAL-CAT	0049N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,ET AL. PROC.,DEV. REFINING,AMERICAN PETROLEUM INST.,1972,V.52,P.740-760
	0051N	"CATALYSTS FOR THE INTERACTION OF NITROGEN OXIDES WITH AMMONIA STUDIED TO PURIFY WASTE GASES FROM NITRIC ACID PRODUCTION" ATROSHCHENKO,V.I.,ZASORIN,A.P.,KULISH,O.N. KATAL. KATAL.,1972,NO.9,P.26-30(RUSS.)
	0052N	"ENGINE EXHAUST EMISSION CONTROL SYSTEM" TOURTELOTTE,J.F.,NEGRA,J.A.,ET AL. U.S. PATENT 3,699,683,OCT. 24,1972,3P.
	0053N	"CATALYST FOR OXIDATION OF AMMONIA" VOSOLSOBE,J.,ET AL. GER. OFFEN. 2,216,328,OCT. 12,1972,9P.
	0054N	"CATALYST FOR TREATING EXHAUST GAS FROM INTERNAL COMBUSTION ENGINES" NEGRA,J.S.,WARSHAW,A. U.S. PATENT 3,701,822,OCT. 31,1972,3P.
	0057N	"PROCESS FOR CATALYTICALLY TREATING EXHAUST GASES" ROTH,J.F. U.S. PATENT 3,493,325,FEB. 3,1970,9P.
	0058N	"METHOD OF DECOMPOSING NITROGEN OXIDES" STEPHENS,R.E. U.S. PATENT 3,545,917,DEC. 8,1970,6P.

KEYWORD	ACC NO	TITLE
TRANS-METAL-CAT	0059N	"CATALYST COMPOSITION" STEPHENS,R.E. U.S. PATENT 3,524,721,AUG. 18,1970,6P.
	0060N	"CATALYTIC CONVERSION OF EXHAUST GAS IMPURITIES" KEARBY,K.K. U.S. PATENT 3,565,574,FEB. 23,1971,8P.
	0061N	"PROCESS FOR REMOVING NITROGEN WITH COBALT-RARE EARTH AND GROUP VI CATALYST" KOVACH,S.M.,ROGERS,E.S. U.S. PATENT 3,345,286,OCT. 3,1967,8P.
	0062N	"CATALYST FOR PURIFICATION OF EXHAUST GASES FROM MOTOR VEHICLES AND INDUSTRIAL PLANTS" KOBERSTEIN,E.,LAKATOS,E. U.S. PATENT 3,669,906,JUNE 13,1972,8P.
	0064N	"METHOD OF TREATING EXHAUST GASES OF INTERNAL COMBUSTION ENGINES" GROSS,G.P.,ET AL. U.S. PATENT 3,370,914,FEB. 27,1968,27P.
	0078N	"A SOLID CHEMICAL AIR GENERATOR" PETERS,G.H.,AKER,J.E.,MORELLO,E.F. AMOCO CHEMICALS CORP.,SEYMOUR,IND.,PROPELLANTS DEV.,REPT. NO . AMRL-TDR-64-71,DSEPT. 1964,55P.
	0080N	"CATALYTIC COMBUSTION OF ATMOSPHERIC CONTAMINANTS OVER HOPCALITE" CHRISTIAN,J.G.,JOHNSON,J.F. INTERNATIONAL JOURNAL AIR WATER POLLUTION 9, (1/2) 1-10,FEB. 1965

KEYWORD	ACC NO	TITLE
TRANS-METAL-CAT	0081N	"CATALYTIC DECOMPOSITION OF NITRIC OXIDE" SAKAIDA,R.R.,RINDER,R.G.,WANG,U.L.,CORCORAN,W.J. JOURNAL OF AMER. INST. OF CHEM. ENG.,V.7,NO.4,P.658-663,DEC. 1961
	0085N	"CATALYTIC OXIDATION OF NITRIC OXIDE; PT. 1" KURIN,N.P.,BLOKH,I.O. ZH. PRIKL. KHIM.,V.11,NO.5,P.734-749,1938 (RUSSIAN)
	0087N	"PURIFICATION OF NITROGEN OF EXHAUST GAS IN THE PRODUCTION OF WEAK NITRIC ACID FOR THE SYNTHESIS OF AMMONIA" NABIYEW,M.K.,ET AL. DOKL. AKAD. NAUK UZ. SSR,V.20,NO.11,P.17-20,1963 (RUSSIAN)
	0090N	"METHOD FOR REMOVING NITROGEN OXIDES FROM GASES THROUGH CATALYTIC REDUCTION OF THESE SUBSTANCES TO NITROGEN" SCHMIDT,K. WEST GERMAN PATENT 1,259,298,JAN. 25,1968,2P. (GERMAN)
	0093N	"CATALYTIC REDUCTION OF NITRIC OXIDE" SHELEF,M. PROC.,FIRST NATL. SYMP. ON HETEROGENEOUS CATALYSIS FOR CONTROL OF AIR POLLUTION,PHILADELPHIA,NOV. 1968,P.87-112
	0096N	"REMOVAL OF NITRIC OXIDE FROM COKE-OVEN GAS" KIPOT,N.S.,BRODOVICH,A.I.,FILIPPOV,B.S. COKE CHEM. (USSR) (ENGLISH TRANS. FROM RUSSIAN OF KOKS I KHIM.),NO.3,P.38-43,1969
	0097N	"NATURAL-GAS CATALYTIC REDUCTION OF NITRIC OXIDE TAIL GASES FROM NITRIC ACID PRODUCTION" TIKHONENKO,A.D.,NABIEV,M.N. UZBESK. KHIM. ZH.,V.11,NO.4,P.6-9,1967 (RUSSIAN)

KEYWORD	ACC NO	TITLE
TRANS-METAL-CAT	0098N	"CHEMOSORPTION OF MIXTURES ONTO NIO." POGINSKIY,S.Z.,RUF,V.Y.N. KINETIKA I KATALIZ,V.7,NO.1,P.136-143,1966 (RUSSIAN)
	0100N	"CATALYTIC DECOMPOSITION OF N2O AND OXYGEN DESORPTION SPECTRA ON NIO" GAY,I.D. JOURNAL OF CATALYSIS,V.17,NO.2,P.245-251,MAY 1970
	0101N	"CATALYTIC PURIFICATION TREATMENT OF EXHAUST GAS" KEARBY,K.K.,LAND,R.J. U.S. PATENT 3,476,508,NOV. 4,1969,4P.
	0104N	"THE ADSORPTION OF NITRIC OXIDE ON IRON OXIDES" OTTO,K.,SHELEF,M. JOURNAL OF CATALYSIS,V.18,NO.2,P.184-192,AUG. 1970
	0106N	"CATALYTIC HYDROGENATION OF ACETYLENE AND NITROGEN OXIDES IN COKE GAS" SLUGOCKI,E. PRZEMYSL CHEM.,V.48,NO.2,P.85-87,FEB. 1969 (POLISH)
	0107N	"PROCESS FOR REDUCING NITRIC OXIDE TO NITROUS OXIDE" SLAUGH,L.H. U.S. PATENT 3,321,274,MAY 23,1967,2P.
	0111N	STUDIES OF SURFACE REACTIONS OF NO BY ISOTOPE LABELING: III. THE EXCHANGE OF OXYGEN BETWEEN NO AND THE SURFACE OF IRON OXIDE OTTO,K.,SHELEF,M.,KUMMER,J.T. Z. PHYSIK. CHEM. NEUE FOLGE (FRANKFURT),V.72 NO. 4-6,P.316-329,1970

KEYWORD	ACC NO	TITLE
TRANS-METAL-CAT	0115N	"DESIGN, CONSTRUCTION AND TESTING OF CATALYTIC AFTERBURNERS FOR REMOVAL OF AIR POLLUTANTS FORMED IN AUTOMOTIVE AND STATIONARY COMBUSTION PROCESSES" BAUERLE,G.L.,NOBE,K. IN PROJECT CLEAN AIR,V.1,U.C.L.A. SCHOOL OF ENGINEERING,RESE ARCH PROJ. S-2,46P.,SEP. 1,1970
	0120N	"THE CHEMISORPTION OF NITRIC OXIDE AND NITROGEN ON RHENIUM" TAMURA,T. BULL. CHEM. SOC. JAPAN (TOKYO),V.44,NO.3,P.590-595,MAR. 1971
	0127N	"CONTACT TYPE REMOVAL METHOD FOR NO CONTAINED IN GAS MANUFACTURED FROM COAL, COKE, OR OIL" TAKETO,O.,ABE,T.,TOYAMA,A.,HASEBA,S. JAPAN. PATENT SHO 46-18383,MAY 22,1971,4P. (JAPANESE)
	0130N	"CATALYTIC MECHANISMS FOR NITROGEN OXIDES REDUCTION (FINAL REPT.)" PETERS,M.S. COLORADO UNIV.,BOULDER,ENGINEERING RESEARCH CENTER,GRANT ORG /NAPCA AP 00388,15P.,MAR. 1,1971
	0131N	"FILTER FOR ELIMINATING HARMFUL GAS" KANBE,R. PREPRINT, REUTILIZATION OF RESOURCES TECHNICAL ASSOC. (JAPAN),6P.,1971 (JAPANESE)
	0133N	"APPLICATION OF CATALYSTS TO AUTOMOTIVE NOX EMISSIONS CONTROL" BERNSTIEN,L.S.,KEARBY,K.K.,RAMAN,A.K.S.,VARDI,J.,WIGG,E.E. PRESENTED AT THE AUTOMOTIVE ENGINEERING CONGRESS,DETROIT,JAN . 11-15,1971,PAPER 710014,17P.

KEYWORD	ACC NO	TITLE
TRANS-METAL-CAT	0140N	"CATALYTIC CONTROL OF NOX EMISSIONS FROM MOBILE SOURCES (FINAL REPORT)" SEEGALL,M.I.,NAPIER,J.C.,COMPTON,W.A. INTERNATIONAL HARVESTER CO.,SAN DIEGO,CA.,RESEARCH LABS.,REPT. RDR 1700,143P.,DEC. 1971
	0143N	"THE ADSORPTION OF NITRIC OXIDE AND CARBON MONOXIDE IN NICKEL OXIDE" GANDHI,H.S.,SHELEF,M. JOURNAL OF CATALYSIS,V.24,NO.2,P.241-249,FEB. 1972
	0146N	"EPR STUDY OF CHANGES OF COORDINATION STATE OF TETRAVALENT VANADIUM IONS ON A VANADIUM CATALYST SURFACE UPON ADSORPTION OF NH3, SO2,N2O,AND N2" VOROTYNTSEV,V.M.,SHVETS,V.A.,KAZANSKIY,V.B. KENETIKI I KATALIZ,V.12,NO.3,P.678-684,1971 (RUSSIAN)
	0148N	"CHEMISTRY OF CATALYTIC NITROGEN OXIDE REDUCTION IN AUTOMOTIVE EXHAUST GAS" KLIMISCH,R.L.,BARNES,G.J. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.6,NO.6,P.543-548,JUNE 1972
	0150N	"THE CATALYTIC OXIDATION OF AMMONIA INTO NITRIC ACID" NEUMANN,B.,ROSE,H. A. ANGEW. CHEM (WEINHEIM),V.1,P.45-48,51-55,FEB. 24,1920 (TRANS. FROM GERMAN)
	0151N	"APPLICATION OF A MONEL-PLATINUM DUAL-CATALYST SYSTEM TO AUTOMOTIVE EMISSION CONTROL" LUNT,R.S.,BERNSTEIN,L.S.,HANSEL,J.G.,HOLT,E.L. PREPRINT, SOCIETY OF AUTOMOTIVE ENGINEERS,INC.,NEW YORK,16P.,1972

KEYWORD	ACC NO	TITLE
TRANS-METAL-CAT	0156N	"ACTIVITY OF COBALT IONS DISPERSED IN MAGNESIUM OXIDE FOR THE DECOMPOSITION OF NITROUS OXIDE" CIMINO,A.,PEPE,F. JOURNAL OF CATALYSIS,V.25,NO.3,P.362-377,JUNE 1972
	0157N	"RAPID, CONTINUOUS CONVERSION OF NO TO N2 PLUS H2O" ALEI,M. LOS ALAMOS SCIENTIFIC LAB.,N. MEX.,REPT. LA-4904,UC-4,5P.,APR. 1972
	0161N	"CATALYTIC REDUCTION OF 50 - 5000 PARTS-PER-MILLION NITRIC OXIDE BY CARBON MONOXIDE" FORCE,E.L.,AYEN,R.J. PREPRINT, CALIF. UNIV., BERKELEY DEPT. OF CHEMICAL ENGIN. AND STAUFFER CHEMICAL CO.,RICHMOND,CA.,65P.,1972
	0162N	"KINETIC STUDIES OF THE N2O-CO REACTION CATALYZED BY CHROMIUM-PROMOTED IRON OXIDE" LEECH,C.A.,PETERS,M.S. PREPRINT, AMERICAN INST. OF CHEMICAL ENGINEERS,NEW YORK,15P.,1971,FROM 64TH MEETING
	0163N	"INVESTIGATION OF THE KINETICS OF THE NITRIC OXIDE CATALYTIC REDUCTION BY AMMONIA IN THE PRESENCE OF OXYGEN" ATROSHCHENKO,V.I.,KULISH,O.N.,BYLINKIN,V.N. KHIM. TEKHNOL.,NO. 4,P.60-62,1971 (RUSSIAN)
	0165N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM WASTE GASES ON NICKEL CATALYSTS" TIKHONENKO,A.D.,NARIYEV,M.N.,IBRAGIMOV,Y.I. UZBEKSK. KHIM. ZH.,NO. 4,P.6-8,1970 (RUSSIAN)

KEYWORD	ACC NO	TITLE
TRANS-METAL-CAT	0167N	"THE OXIDATION OF CO BY O2 AND BY NO ON SUPPORTED CHROMIUM OXIDE AND OTHER METAL OXIDE CATALYSTS" SHELEF,M.,OTTO,K.,GANDHI,H. JOURNAL OF CATALYSIS,V.12,NO.4,P.361-375,1968
	0170N	"REMOVAL OF AMMONIA FROM GAS" MERKEL,H. W. GER. PATENT APPL. 2,026,657,JUNE 1,1970,10P.
	0174N	"CATALYSTS FOR AUTO EXHAUST EMISSION CONTROL" YAMAKI,N.,TSUCHIMOTO,K. UNION OF JAPANESE SCIENTISTS AND ENGINEERS,PROC. INT. SYMP. AIR POLLUT.,TOKYO,JAPAN,1972,P.643-656 (JAPANESE)
	0176N	"CATALYTIC REMOVAL OF NITROGEN OXIDES, CARBON MONOXIDE AND HYDROCARBONS FROM COMBUSTION EXHAUST STREAMS" TAYLOR,F.R. FRANKLIN INSTITUTE LABORATORIES,PHILADELPHIA,PA.,1959,18P.
	0178N	"SYSTEMS STUDY OF NITROGEN OXIDE CONTROL METHODS FOR STATIONARY SOURCES" BARTOK,W.,ET AL. ESSO RESEARCH AND ENGINEERING CO.,FINAL RPT.,V. 2,NO. GR-2-M PS-69,NOV. 20,1969 (PB 192-789)
	0179N	"THE CATALYTIC REDUCTION OF NITRIC OXIDE IN AUTOMOBILE EXHAUST GASES - I. TESTS OF IRON-CONTAINING MATERIALS" JENKINS,D.R.,VOISEY,M.A. ATMOSPHERIC ENVIRONMENT,V. 7,1973,P.177-186

KEYWORD	ACC NO	TITLE
TRANS-METAL-CAT	0180N	"OXYGEN INHIBITION IN THE DECOMPOSITION OF NO ON METAL OXIDES AND PLATINUM" AMIRNAZMI,A.,BENSON,J.E.,BOUDART,M. JOURNAL OF CATALYSIS,30,1973,P.55-65
	0183N	"REDUCTION CATALYST FOR NITRIC OXIDE IN EXHAUST AND FLUE GASES" STENZEL,J.,HARNISCH,H.,KNAPSACK,A.G. GER. OFFEN. 2165550 (B 01J),JULY 5,1973,12P.
	0184N	"REDUCTION OF NITROGEN OXIDE IN EXHAUST AND WASTE GASES" STENZEL,J.,KNAPSACK,A.G. GER. OFFEN. 2165548 (B 01D),JULY 5,1973,15P.
	0190N	"CATALYTIC DECOMPOSITION OF NITROGEN OXIDES" OODAN,K.,SASAYA,H.,YOSHIDA,K.,OTSUKA,H. JAPAN. KOKAI 7355870 (13(7)A11), AUG. 6,1973,4P.
	0192N	"REDUCING NITROGEN COMPOUND CONTENT IN EXHAUST GAS" GANDHI,H.,SHELEF,M. FR. 2151322 (F 01N),MAY 18,1973,8P.
	0193N	"CATALYSTS FOR EXHAUST GAS TREATMENT" OKUYAMA,T.,SANO,M.,MANABE,S.,IWABUCHI,H. GER. OFFEN. 2252402 (B 01J, F 01N),MAY 30,1973,36P.
	0194N	"OXIDATION OF NITROGEN MONOXIDE" TAKEYAMA,T.,ENDO,R.,MASUDA,K. JAPAN. KOKAI 73 32795 (15 B22),MAY 2,1973,3P.

KEYWORD	ACC NO	TITLE
TRANS-METAL-CAT	0201N	"CATALYSTS FOR THE REDUCTION OF NITROGEN OXIDES" GERHARD,M.,SIEPMANN,R.,KUMMER,F. GER. OFFEN. 2151958 (B 01J),APR. 26,1973,10P.
	0205N	"A LOW TEMPERATURE CATALYTIC APPROACH TO NO(X) CONTROL" LAWSON,A. JOURNAL OF CATALYSIS,24,1972,P.297-305
	0206N	"CATALYTIC PROPERTIES OF METAL OXIDES OF PERIOD VI OF THE PERIODIC SYSTEM WITH RESPECT TO OXIDATION REACTIONS" YUREVA,T.M.,POPOVSKII,V.V.,BORESKOV,G.K. TRANSLATED FROM KINETIKA I KATALIZ,V. 6,NO. 6,NOV.-DEC. 1965 ,P.1041-1045
	0213N	"DRY CATALYTIC REDUCING REACTION FOR NITROGEN OXIDES" KASAOKA,N.,MOTOO,K.,SETSUO,I. PREPRINT,JAPAN SOCIETY OF CHEMICAL ENGINEERING, TOKYO, P. 25 -27, 1973
	0215N	"METHOD FOR REMOVING NITROGEN OXIDES FROM WASTE GASES" ENDO,A.,TETSU,T.,KEIZO,M. JAPAN PAT. SHO 47-50981, 3P., DEC. 21, 1972
	0216N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,RAKOWSKY,F.W.,HIRSCHBERG,E.H.,LANG,C.R.,SCHOC SOC. AUTOMOT. ENGRS., SPEC. PUB. NO. 370, 24P., MAY 1972
	0218N	"CONTACT TYPE REMOVAL METHOD FOR NO CONTAINED IN GAS MANUFACTURED FROM COAL, COKE, OR OIL" OKI,T.,TETSU,A.,AKIRA,T.,SHIGERU,H. JAPAN PAT. SHO 46-18383, 4P., MAY 22, 1971

KEYWORD	ACC NO	TITLE
TRANS-METAL-CAT	0220N	"POWER AND INDUSTRY; CONTROL OF NITROGEN OXIDE EMISSIONS" PERRINE,R.L.,LIMIN,H. PROJECT CLEAN AIR, CALIF. UNIV. BERKELEY, TASK FORCE 5, 1(9), SEPT. 1970
	0222N	"METHOD OF REMOVING SULFUR DIOXIDE AND NITROGEN OXIDES FROM GASES" RYASON,P.R. U.S. PAT. 3,454,355, JULY 8, 1969
	0223N	"CATALYTIC ACTIVITY OF SPINELS AND THEIR OXIDE CONTENT IN THE REACTION OF NITRIC OXIDE WITH CARBON MONOXIDE" VLADENKI,V.M.,YUZEFOVICH,G.F.,NEPIYUSHCHAYA,R.P. INST. FIZ. KHIM. IM. PISARZHEVSKOGO, KIEV, USSR, KATAL. KATAL, (KAKAA), NO. 10, 81-5, 1973
	0224N	"CATALYTIC CHEMISTRY OF NITRIC OXIDE. I. EFFECT OF WATER ON THE REDUCTION OF NITRIC OXIDE OVER SUPPORTED CHROMIUM AND IRON OXIDES" KOBYLINSKI,T.P.,TAYLOR,B.W. J. CATAL., 31(3), 450-458, 1973
	0225N	"COBALT SULFIDE AND NICKEL SULFIDE CATALYSTS FOR REDUCTION OF NITROGEN OXIDES IN EXHAUST GASES" POMOT,J.L.E. GER. OFFEN. 2307342 (B01J), AUG. 30, 1973
	0227N	"CATALYST FOR WASTE GAS TREATMENT" HOSODA,H.,KAWAKAMI,A.,OKAMOTO,O.,MIYAMOTO,A. JAPAN. KOKAI 73 55190 (13(9)G11), AUG. 2, 1973

KEYWORD	ACC NO	TITLE
TRANS-METAL-CAT	0229N	"COPPER-IRON-NICKEL ALLOY CATALYSTS FOR REMOVAL OF NITRIC OXIDE FROM AUTOMOTIVE EXHAUST GASES" NIIMI,I.,MORITA,A.,MENOTO,Y.,SATO,M. GER. OFFEN. 2306785 (C 22C), AUG. 23, 1973
	0230N	"CHROMIUM OXIDE-IRON OXIDE-NICKEL OXIDE CATALYSTS FOR TREATMENT OF AUTOMOTIVE EXHAUST GASES" OKUYAMA,T.,SANO,M.,MINE,J. GER. OFFEN. 2308789 (B01J), AUG. 30,1973
	0232N	"STABILITY OF NITRIC OXIDE OVER A LONG TIME INTERVAL" HOWARD,C.S.,DANIELS,G. J. PHYS. CHEM., 62(3); 360-1, 1958
	0240N	"CATALYTIC DECOMPOSITION OF NITRIC OXIDE" RIESZ,C.H.,MORRITZ,F.L.,FRANSON,K.D. AIR POLLUTION FOUNDATION REPORT, NO. 20, 22P., 1957
	0243N	"FORMS OF OXYGEN BONDS ON THE SURFACE OF OXIDATION CATALYSTS" BORESKOV,G.K. DISC. FARADAY SOC., 41; 263, 1966
	0246N	"ANALYSIS OF THE PRE-EXPONENTIAL FACTOR FOR THE HETEROGENEOUS CATALYTIC DECOMPOSITION OF NITRIC OXIDE" GODOLETS,G.I. KINETIKA I KATALIZ, 6(6); 1123-1124, 1965
	0252N	"CATALYSTS FOR AUTOMOTIVE POLLUTION CONTROL DEVICES" NOBE,K.,BAUERLE,G.L. FINAL REPORT, SCHOOL OF ENGINEERING AND APPLIED SCIENCES, U.C.L.A., SEPT. 1973

KEYWORD	ACC NO	TITLE
TRANS-METAL-CAT	0255N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,RADOWSKY,F.W.,HERSCHBERG,F.H.,LANG,C.R.,SCHOC S.A.E. PAPER 720480, MAY 1972
	0256N	"NITRIC OXIDE REDUCTION WITH H2 ON MIXED METAL OXIDE CATALYSTS" BAUERLE,G.L.,NOBE,K. IN PRESS, 1974
	0257N	"REDUCTION OF NITRIC OXIDE WITH HYDROGEN ON COPPER-NICKEL AND NICKEL-CHROMIUM CATALYSTS" ORSINI,R.A.,TURICK,S.A.,BAUERLE,G.L.,NOBE,K. U.C.L.A. REPORT UCLA-ENG-7402, JAN. 1976
	0258N	"AMMONIA FORMATION IN THE CATALYTIC REDUCTION OF NITRIC OXIDE. III. THE ROLE OF WATER GAS SHIFT, REDUCTION BY HYDROCARBONS AND STEAM REFORMING" SHELEF,M.,GANDHI,H.S. IND. ENG. CHEM., PROD. RES. DEVELOP., 13(1): 80-85, 1974

AUTHOR INDEX

ADDISON,W.E.,BARRER,R.M.
"SORPTION AND REACTIVITY OF NITROUS OXIDE AND NITRIC OXIDE IN CRYSTALLINE AND AMORPHOUS SILICEOUS SORBENTS"
JOURNAL OF CHEM. SOC.,PT. 1,P.757-769,1955
ACCESSION NUMBER: 0070N

ADLHART,O.J.,HINDIN,S.G.,KENSON,R.F.
"PROCESSING NITRIC ACID TAIL GAS"
CHEM. ENG. PROGRESS, 67(2), 73-78
ACCESSION NUMBER: 0259N

ADLHART,O.J.,HINDIN,S.G.,KENSON,R.F.
"NITROGEN OXIDE POLLUTION; PROCESSING NITRIC ACID TAIL GAS"
CHEM. ENG. PROGR., 67(2); 73-78, 1971
ACCESSION NUMBER: 0219N

ADRUSSOW,L.
"THE CATALYTIC NITRIC OXIDE REDUCTION AND AMMONIA OXIDATION (IV)"
CHEM. BER.,V.60,P.536-540,1927 (GERMAN)
ACCESSION NUMBER: 0067N

ALEI,M.
"RAPID, CONTINUOUS CONVERSION OF NO TO N2 PLUS H2O"
LOS ALAMOS SCIENTIFIC LAB.,N. MEX.,REPT. LA-4904,UC-4,5P.,APR. 1972
ACCESSION NUMBER: 0157N

AMIRNAZMI,A.,BENSON,J.E.,BOUDART,M.
"OXYGEN INHIBITION IN THE DECOMPOSITION OF NO ON METAL OXIDES AND PLATINUM"
JOURNAL OF CATALYSIS,30,1973,P.55-65
ACCESSION NUMBER: 0180N

ANDERSEN,H.C.
"CLEANING OF INDUSTRIAL GASES WITH PRECIOUS METAL CATALYSTS"
DECHEMA MONOGRAPH.,V.40,P.325-333,1962 (GERMAN)
ACCESSION NUMBER: 0091N

ANDERSEN,H.C.,GREEN,W.J.,STEELE,D.R.
"CATALYTIC TREATMENT OF NITRIC ACID PLANT TAIL GAS"
INDUSTRIAL AND ENGINEERING CHEMISTRY,V. 53,NO. 3,MAR. 1961,P
.199-204
ACCESSION NUMBER: 0210N

ANDERSEN,H.C.,HALEY,A.J.
"PROCESS FOR THE OXIDATION OF NITRIC OXIDE"
U.S. PATENT 3,079,232,FEB. 26,1963,4P.
ACCESSION NUMBER: 0118N

ANDERSEN,H.C.,ROMEO,P.L.,GREEN,W.J.
"A NEW FAMILY OF CATALYSTS FOR NITRIC ACID TAIL GASES"
NITROGEN,NO. 50,P.33-36,NOV./DEC. 1967
ACCESSION NUMBER: 0071N

ANDO,J.,TOHATA,H.
"NO(X) ABATEMENT TECHNOLOGY IN JAPAN"
FACULTY OF SCIENCE AND ENGINEERING REPORT,CHUO UNIV.,KASUGA,
BUNKYO-KU,TOKYO,MAY 1973
ACCESSION NUMBER: 0186N

ATROSHCHENKO,V.I.,KULISH,O.N.,BYLINKIN,V.N.
"INVESTIGATION OF THE KINETICS OF THE NITRIC OXIDE
CATALYTIC REDUCTION BY AMMONIA IN THE PRESENCE OF OXYGEN"
KHIM. TEKHNOL.,NO. 4,P.60-62,1971 (RUSSIAN)
ACCESSION NUMBER: 0163N

ATROSHCHENKO,V.I.,ZASORIN,A.P.,KULISH,O.N.
"CATALYSTS FOR THE INTERACTION OF NITROGEN OXIDES WITH
AMMONIA STUDIED TO PURIFY WASTE GASES FROM NITRIC ACID
PRODUCTION"
KATAL. KATAL.,1972,NO.9,P.26-30(RUSS.)
ACCESSION NUMBER: 0051N

AULT,J.W.,AYEN,R.J.
"CATALYTIC REDUCTION OF NITRIC OXIDE WITH VARIOUS HYDROCARBONS"
JOURNAL OF AM. INST. CHEM. ENGRS.,V.17,NO.2,P.265-271,MAR. 1971
ACCESSION NUMBER: 0113N

AYEN,R.J.,AMIRNAZMI,A.
"CATALYTIC REDUCTION OF NITROGEN DIOXIDE WITH HYDROGEN"
A.I.CH.E. CLEVELAND MEETING,MAY 1969,30P.
ACCESSION NUMBER: 0004N

AYEN,R.J.,PETERS,M.S.
"CATALYTIC REDUCTION OF NITRIC OXIDE"
I AND EC PROCESS DESIGN AND DEVELOPMENT,V.1,NO.3,JULY 1962,P.204-207
ACCESSION NUMBER: 0029N

AYEN,R.J.,YONEBAYASHI,T.
"CATALYTIC REDUCTION OF NITROGEN DIOXIDE BY CARBON MONOXIDE"
ATMOSPHERIC ENVIRONMENT,V.1,1967,P.307-318
ACCESSION NUMBER: 0027N

BACHMAN,P.W.,TAYLOR,G.G.
"DECOMPOSITION OF NITRIC OXIDE BY PLATINUM AT ELEVATED TEMPERATURES AND ITS RETARDATION BY OXYGEN"
J. PHYS. CHEM., 33; 447-55, 1929
ACCESSION NUMBER: 0234N

BAKER,R.A.,DOERR,R.C.
"CATALYTIC REDUCTION OF NITROGEN OXIDES IN AUTOMOBILE EXHAUST"
JOURNAL OF AIR POLLUTION CONTROL ASSOCIATION,V.14,NO.10,OCT. 1964,P.409-414
ACCESSION NUMBER: 0035N

BAKER.R.A..DOERR.R.C.
"CATALYZED NITRIC OXIDE REDUCTION WITH CARBON MONOXIDE"
I AND EC PROCESS DESIGN AND DEVELOPMENT.V.4.NO.2.APR. 1965.P.188-190
ACCESSION NUMBER: 0028N

BAKER.R.A..DOERR.R.C.
"PREREDUCED CUPRIC OXIDE-COBALTIC OXIDE REDOX CATALYSTS"
U.S. PATENT 3,398,101.AUG. 20,1968.8P.
ACCESSION NUMBER: 0019N

BALGORD,W.D.,WANG.K.K.
"NOVEL CATALYSTS AND CATALYST SUPPORTS FOR CONTROL OF NITROGEN OXIDES IN AUTOMOBILE"
PROCEEDINGS OF 2ND INTERNATIONAL CLEAN AIR CONGRESS,1970.P.818-826
ACCESSION NUMBER: 0044N

BARTOK,W.,CRAWFORD,W.,SKOPP,A.
"CONTROL OF NOX EMISSIONS FROM STATIONARY SOURCES"
CHEMICAL ENGINEERING PROGRESS,V.67,NO.2,FEB. 1971,P.64-72
ACCESSION NUMBER: 0005N

BARTOK,W.,CRAWFORD,A.R.,SKOPP,A.
"CONTROL OF NITROGEN OXIDE EMISSIONS FROM STATIONARY COMBUSTION SOURCES"
COMBUSTION,V.42,NO.4,P.37-40,OCT. 1970
ACCESSION NUMBER: 0108N

BARTOK,W.,ET AL.
"SYSTEMS STUDY OF NITROGEN OXIDE CONTROL METHODS FOR STATIONARY SOURCES"
ESSO RESEARCH AND ENGINEERING CO.,FINAL RPT.,V. 2,NO. GR-2-MPS-69,NOV. 20,1969 (PB 192-789)
ACCESSION NUMBER: 0178N

BAUERLE,G.L.,NOBE,K.
"NITRIC OXIDE REDUCTION WITH H2 ON MIXED METAL OXIDE CATALYSTS"
IN PRESS, 1974
ACCESSION NUMBER: 0256N

BAUERLE,G.L.,NOBE,K.
"DESIGN, CONSTRUCTION AND TESTING OF CATALYTIC AFTERBURNERS FOR REMOVAL OF AIR POLLUTANTS FORMED IN AUTOMOTIVE AND STATIONARY COMBUSTION PROCESSES"
IN PROJECT CLEAN AIR,V.1,U.C.L.A. SCHOOL OF ENGINEERING,RESEARCH PROJ. S-2,46P.,SEP. 1,1970
ACCESSION NUMBER: 0115N

BAUERLE,G.L.,SERVICE,G.R.,NOBE,K.
"CATALYTIC REDUCTION OF NITRIC OXIDE WITH CARBON MONOXIDE"
I AND EC PRODUCT RESEARCH AND DEVELOPMENT,V.11,NO.1,MAR. 1972,P.54-58
ACCESSION NUMBER: 0016N

BAUERLE,G.L.,THOMAS,N.T.,NOBE,K.
"TUNGSTEN BRONZES AND MIXED COBALT OXIDES AS POTENTIAL CATALYSTS FOR POLLUTION CONTROL"
CHEMICAL ENGINEERING JOURNAL,V.4,1972,P.199-200
ACCESSION NUMBER: 0025N

BAUM,W.H.,GRIST,J.G.,NAGLE,E.V.
"PROCESS FOR REMOVING NITRIC OXIDE FROM GASEOUS MIXTURES"
U.S. PATENT 3,428,414,FEB. 18,1969,6P.
ACCESSION NUMBER: 0018N

BELOUSOV,V.M.,MULIK,I.Y.,RUBANIK,M.Y.
"ADSORPTIVITIES AND REACTIVITIES OF LOWER HYDROCARBONS DURING OXIDATION ON A SILVER CATALYST BY NITRIC OXIDE"
TRANSLATED FROM KINETIKA I KATALIZ,V. 10,NO. 4,JULY-AUG. 1969,P.841-846
ACCESSION NUMBER: 0207N

BERNSTEIN,L.S.,RAMAN,A.K.,WIGG,F.F.
"THE CONTROL OF AUTOMOTIVE EMISSIONS WITH DUAL BED CATALYST SYSTEMS"
PAPER PRESENTED TO 1971 TECHNICAL SESSION; ENGINES AND EMISSIONS,CENTRAL STATES SECTION,THE COMBUSTION INST.,MAR. 1971
ACCESSION NUMBER: 0002N

BERNSTIEN,L.S.,KEARBY,K.K.,RAMAN,A.K.S.,VARDI,J.,WIGG,E.E.
"APPLICATION OF CATALYSTS TO AUTOMOTIVE NOX EMISSIONS CONTROL"
PRESENTED AT THE AUTOMOTIVE ENGINEERING CONGRESS,DETROIT,JAN. 11-15,1971,PAPER 710014,17P.
ACCESSION NUMBER: 0133N

BETZ,F.C.,FEIST,H.J.
"CATALYTIC AFTERBURNING OF ORGANIC AIR POLLUTANTS"
TECHNIK (BERLIN),V.20,NO.6,P.395-400,JUNE 1965 (GERMAN TR.)
ACCESSION NUMBER: 0082N

BORESKOV,G.K.
"FORMS OF OXYGEN BONDS ON THE SURFACE OF OXIDATION CATALYSTS"
DISC. FARADAY SOC., 41; 263, 1966
ACCESSION NUMBER: 0243N

BRAND,H.
"THERMAL AND CATALYTIC WASTE GAS CLEANING INCLUDING THE WET NITROGEN OXIDE PROCEDURES"
CHEM. TECH. (BERLIN),V.1,NO.5,P.224-225,MAY 1972 (GERMAN)
ACCESSION NUMBER: 0153N

BREITENBACH,L.P.,SHELEF,M.
"DEVELOPMENT OF A METHOD FOR THE ANALYSIS OF NO2 AND NH3 BY NO-MEASURING INSTRUMENTS"
J. OF THE AIR POLLUTION CONTROL ASSOC., 23(2): 128-131, 1973
ACCESSION NUMBER: 0254N

BRENNAN,J.A.
"REMOVAL OF NITROGEN OXIDES FROM COMBUSTION GASES"
U.S. 3,015,369, MAY 23, 1960
ACCESSION NUMBER: 0250N

CAMPAU,R.M.,STEFAN,A.,HANCOCK,E.F.
"FORD DURABILITY EXPERIENCE ON LOW EMISSION CONCEPT VECHICLES"
PROC.,DIV. REFINING,AMERICAN PETROLEUM INST.,1972,V.52,P.761-788
ACCESSION NUMBER: 0050N

CARETTO,L.S.,MCELROY,M.W.,NELSON,J.L.,VENTURINI,P.D.
"AUTOMOBILE ENGINE DEVELOPMENT; TASK FORCE ASSESSMENT"
IN; PROJECT CLEAN AIR,CALIF. UNIV.,BERKELEY,DEPT. OF MECHANICAL ENG. TASK FORCE 1,V. 1,68P.,SEP. 1,1970
ACCESSION NUMBER: 0116N

CHEMICAL CONSTRUCTION CORP.
"BENCH SCALE INVESTIGATION OF INCRA CATALYST FOR THE TREATMENT OF NITRIC ACID MANUFACTURING PLANT ATMOSPHERIC EMI
CHEMICAL CONSTRUCTION CORP.,NEW YORK,CONSULTING DIV.,FINAL REPT. 0053C,67P.,MAR. 1969
ACCESSION NUMBER: 0117N

CHIEN,M.W.,NOBE,K.
"CATALYTIC REDUCTION OF NITRIC OXIDE WITH PROPYLENE"
PREPRINT. AMERICAN CHEMICAL SOCIETY,WASHINGTON,DIV. OF WATER,AIR,AND WASTE CHEMISTRY,5P.,1971
ACCESSION NUMBER: 0126N

CHILDERS,E.,ELLIS,C.W.,RYAN,D.J.
"METHOD OF REMOVING NITROGEN OXIDES FROM GASES"
U.S. PATENT 3,125,408,MAR. 17,1964
ACCESSION NUMBER: 0073N

CHILDERS,E.,ELLIS,C.W.,RYAN,D.J.
"PROCESS FOR CATALYTICALLY REDUCING NITROGEN OXIDES IN INDUSTRIAL STACK GASES"
U.S. PATENT 2,910,343,OCT. 27,1959,7P.
ACCESSION NUMBER: 0039N

CHRISTIAN,J.G.,JOHNSON,J.E.
"CATALYTIC COMBUSTION OF ATMOSPHERIC CONTAMINANTS OVER HOPCALITE"
INTERNATIONAL JOURNAL AIR WATER POLLUTION 9, (1/2) 1-10,FEB. 1965
ACCESSION NUMBER: 0080N

CIMINO,A.,PEPE,F.
"ACTIVITY OF COBALT IONS DISPERSED IN MAGNESIUM OXIDE FOR THE DECOMPOSITION OF NITROUS OXIDE"
JOURNAL OF CATALYSIS,V.25,NO.3,P.362-377,JUNE 1972
ACCESSION NUMBER: 0156N

CLIFFORD,A.F.,JAFFE,J.
"CATALYSTS FOR REMOVAL OF SMOG-FORMING COMPONENTS FROM EXHAUST GASES"
U.S. PATENT 3,407,030,OCT. 22,1968,8P.
ACCESSION NUMBER: 0055N

COHN,J.G.E.
"METHOD OF REMOVING NITROGEN OXIDES FROM GASES"
U.S. PATENT 3,118,727,JAN. 21,1964,4P.
ACCESSION NUMBER: 0074N

COHN,J.,STEELE,D.R.,ANDERSEN,H.C.
"SELECTIVE REMOVAL OF NITROGEN OXIDES FROM OXYGEN-CONTAINING GASES ESPECIALLY FROM NITRIC ACID PRODUCTI
U.S. 2,975,025,NOV. 5, 1971
ACCESSION NUMBER: 0242N

COLLINS,M.F.,MICHALEK,R.
"CATALYTIC PURIFICATION OF WASTE GASES FROM NITRIC ACID MANUFACTURE"
GER. OFFEN. 2255732 (C 01B),MAY 24,1973,16P.
ACCESSION NUMBER: 0195N

CRYNES,B.L.,MADDOX,R.N.
"STATUS OF NOX CONTROL FROM COMBUSTION SOURCES"
CHEMICAL TECHNOLOGY,AUG. 1971,P.502-509
ACCESSION NUMBER: 0006N

DONAHUE,J.L.
"SYSTEM DESIGNS FOR THE CATALYTIC DECOMPOSITION OF NITROGEN OXIDES"
JOURNAL OF AIR POLLUTION CONTROL ASSOC.,V.8,NO.3,P.209-212,2
22,NOV. 1958
ACCESSION NUMBER: 0076N

DWYER,F.G.
"CATALYSIS FOR CONTROL OF AUTOMOTIVE EMISSIONS"
CATALYSIS REVIEWS,V.6,NO.2,1972,P.261-291
ACCESSION NUMBER: 0014N

DWYER,F.G.
"CATALYST SYSTEM MORPHOLOGY AND DESIGN"
PROCEEDINGS,FIRST NATL. SYMP. ON HETEROGENEOUS CATALYSIS FOR CONTROL OF AIR POLLUTION,PHILADELPHIA,NOV. 1968,P.73-86
ACCESSION NUMBER: 0086N

EDWARDS,H.W.
"INTERACTION OF NITRIC OXIDE WITH GRAPHITE"
PREPRINT, AMERICAN INST. OF CHEMICAL ENG.,NEW YORK,44P.,1971
,FROM 64TH MEETING,PAPER 28D
ACCESSION NUMBER: 0158N

ENDO,A.,TETSU,T.,KEIZO,M.
"METHOD FOR REMOVING NITROGEN OXIDES FROM WASTE GASES"
JAPAN PAT. SHO 47-50981, 3P., DEC. 21, 1972
ACCESSION NUMBER: 0215N

ENDO,A.,TETSU,T.,KEIZO,M.
"METHOD OF NITROGEN OXIDES REMOVAL"
JAPAN, PAT. SHO 47-50982, 3P., DEC. 21,1972
ACCESSION NUMBER: 0214N

ENDU,A.,TAKEYAMA,T.,SHODA,K.
"REMOVAL OF NITROGEN OXIDES"
JAPAN. 72 50982 (B 01J),DEC. 21.1972,3P.
ACCESSION NUMBER: 0189N

ENVIRONICS INC.
"CATALYTIC REDUCTION OF NOX - PILOT PLANT OPERATION"
ENVIRONICS INC., HUNTINGTON BEACH, CA., PROGRESS REPORT, JUL
Y 1973
ACCESSION NUMBER: 0248N

FEIST,J.
"THE CATALYTIC REDUCTION OF NITROUS GASES DURING THE
MANUFACTURE OF NITRIC ACID"
PROCEEDINGS,INTERNATIONAL CLEAN AIR CONGRESS,LONDON,PT. I,19
66,PAPER VI/15,P.199-202
ACCESSION NUMBER: 0083N

FOGEL,Y,M,NADYKTO,P.T.,SHVACHKO,V.I.,RYBALKO,V.F.,KOROBEHANS
"SECONDARY ION EMISSION STUDY OF THE CATALYTIC REACTIONS
BETWEEN AMMONIA AND NITROUS OXIDE AND THE DECOMPOSITION OF
NITROUS OXIDE ON PLATINUM"
KINETIKA I KATALIZ, 5(5); 942-944, 1964
ACCESSION NUMBER: 0247N

FORCE,E.L.,AYEN,R.J.
"CATALYTIC REDUCTION OF 50 - 5000 PARTS-PER-MILLION NITRIC OXIDE BY CARBON MONOXIDE"
PREPRINT, CALIF. UNIV., BERKELEY,DEPT. OF CHEMICAL ENGIN. AND STAUFFER CHEMICAL CO.,RICHMOND,CA.,65P.,1972
ACCESSION NUMBER: 0161N

FRASER,J.M.,DANIELS,F.
"THE HETEROGENEOUS DECOMPOSITION OF NITRIC OXIDE WITH OXIDE CATALYSTS"
JOURNAL OF PHYSICAL CHEMISTRY,V.62,FEB. 1958,P.215-222
ACCESSION NUMBER: 0008N

GAJEWSKI,A.,KUPIEK,S.,ZYGADLO,J.
"INVESTIGATION ON CATALYTIC REDUCTION OF EXIT NITRIC OXIDES BY AMMONIA"
PRZEMYSL CHEM.,V.51,NO.1,P.44-46,1971 (POLISH)
ACCESSION NUMBER: 0149N

GANDHI,H.S.,SHELEF,M.
"THE ADSORPTION OF NITRIC OXIDE ON COPPER OXIDES"
JOURNAL OF CATALYSIS,V. 28,1973,P.1-7
ACCESSION NUMBER: 0204N

GANDHI,H.S.,SHELEF,M.
"THE ADSORPTION OF NITRIC OXIDE AND CARBON MONOXIDE IN NICKEL OXIDE"
JOURNAL OF CATALYSIS,V.24,NO.2,P.241-249,FEB. 1972
ACCESSION NUMBER: 0143N

GANDHI,H.,SHELEF,M.
"REDUCING NITROGEN COMPOUND CONTENT IN EXHAUST GAS"
FR. 2151322 (F 01N),MAY 18,1973,8P.
ACCESSION NUMBER: 0192N

GANZ,S.N.,VASHKEVICH,A.M.
"STUDY OF INTERACTION OF AMMONIA WITH NITROGEN OXIDES"
TRANSLATED FROM ZHURNAL PRIKLADNOI KHIMII,V.43,NO.1,JAN. 197
0,P.13-18
ACCESSION NUMBER: 0010N

GAY,I.D.
"CATALYTIC DECOMPOSITION OF N2O AND OXYGEN DESORPTION
SPECTRA ON NIO"
JOURNAL OF CATALYSIS,V.17,NO.2,P.245-251,MAY 1970
ACCESSION NUMBER: 0100N

GERHARD,M.,SIEPMANN,R.,KUMMER,F.
"CATALYSTS FOR THE REDUCTION OF NITROGEN OXIDES"
GER. OFFEN. 2151958 (B 01J),APR. 26,1973,10P.
ACCESSION NUMBER: 0201N

GERSTLE,R.W.,PETERSON,R.F.
"CONTROL OF NITROGEN OXIDE EMISSIONS FROM NITRIC ACID
MANUFACTURING PROCESSES"
AIR ENGINEERING,V.9,NO.4,P.24-28,APR. 1967
ACCESSION NUMBER: 0124N

GILLESPIE,G.R.,BOYUM,A.A.,COLLINS,M.F.
"CATALYTIC PURIFICATION OF TAIL GAS"
CHEMICAL ENGINEERING PROGRESS,V.68,NO.4,APR. 1972,P.72-77
ACCESSION NUMBER: 0036N

GODOLFTS,G.I.
"ANALYSIS OF THE PRE-EXPONENTIAL FACTOR FOR THE
HETEROGENEOUS CATALYTIC DECOMPOSITION OF NITRIC OXIDE"
KINETIKA I KATALIZ, 6(6); 1123-1124, 1965
ACCESSION NUMBER: 0246N

GONZALEZ,R.D.,AUDETTE,D.E.
"HNO AS AN INTERMEDIATE IN THE CATALYTIC REDUCTION OF NITRIC OXIDE"
JOURNAL OF CATALYSIS,V. 17,NO.1,1970,P.116-118
ACCESSION NUMBER: 0209N

GREEN,T.E.,HINSHELWOOD,C.N.
"THE CATALYTIC DECOMPOSITION OF NITRIC OXIDE AT THE SURFACE OF PLATINUM"
J. CHEM. SOC., PP. 1709-13, 1926
ACCESSION NUMBER: 0233N

GROSS,G.P.,ET AL.
"METHOD OF TREATING EXHAUST GASES OF INTERNAL COMBUSTION ENGINES"
U.S. PATENT 3,370,914,FEB. 27,1968,27P.
ACCESSION NUMBER: 0064N

GULLY,A.J.,ET AL.
"CATALYTIC REMOVAL OF AMMONIA AND NITROGEN OXIDES FROM SPACECABIN ATMOSPHERES"
TEXAS TECH. UNIV.,LUBBOCK,NASA CONTRACT REP-2132,FEB 1973,17
0P.
ACCESSION NUMBER: 0181N

HALL,H.J.,BARTOK,W.
"NOX CONTROL FROM STATIONARY SOURCES"
ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.5,NO.4,APR. 1971,P.32
0-326
ACCESSION NUMBER: 0037N

HARDING,J.W.
"KINETICS OF CATALYTIC DECOMPOSITION OF NITRIC OXIDE"
UNIV. MICROFILMS INC.,1969,76P.
ACCESSION NUMBER: 0072N

HARDISON,L.C.
"TECHNIQUES FOR CONTROLLING THE OXIDES OF NITROGEN"
JOURNAL AIR POLLUTION CONTROL ASSOC.,V.20,NO.6,P.377-382.JUN
E 1970
ACCESSION NUMBER: 0110N

HARRIS,S.W.,MORELLO,E.F.,PETERS,G.H.
"EFFICIENT AND ECONOMICAL DECOMPOSITION OF OXIDES OF
NITROGEN"
U.S. PATENT 3,459,494,AUG. 5,1969,2P.
ACCESSION NUMBER: 0041N

HASEGA,O.,YOKOTA,S.
"CATALYST FOR REMOVING NITROGEN OXIDES"
JAPAN. KOKAI 73 55890 (13(9)G11), AUG. 6, 1973
ACCESSION NUMBER: 0228N

HINDIN,S.G.,DETTLING,J.C.
"CATALYSTS FOR PURIFICATION OF WASTE GASES CONTAINING
OXIDES OF NITROGEN"
U.S. PATENT 3,615,166,OCT. 26,1971,5P.
ACCESSION NUMBER: 0137N

HISADA,S.
"CATALYTIC PURIFICATION OF COMBUSTION GASES"
GER. PATENT 2,119,897,NOV. 18,1971,11P. (GERMAN)
ACCESSION NUMBER: 0171N

HORIE,K.,YAMAUCHI,S.,HARA,J.,OHHARA,T.
"REDUCTION OF NITROGEN OXIDE IN EXHAUST GAS FROM INTERNAL
COMBUSTION ENGINES"
JAPAN. KOKAI 73 42989,JUNE 21,1973,6P.
ACCESSION NUMBER: 0200N

HOSODA,H.,KAWAKAMI,A.,OKAMOTO,O.,MIYAMOTO,A.
"CATALYST FOR WASTE GAS TREATMENT"
JAPAN. KOKAI 73 55190 (13(9)G11), AUG. 2, 1973
ACCESSION NUMBER: 0227N

HOWARD,C.S.,DANIELS,G.
"STABILITY OF NITRIC OXIDE OVER A LONG TIME INTERVAL"
J. PHYS. CHEM., 62(3): 360-1, 1958
ACCESSION NUMBER: 0232N

HUNTER,J.B.
"PLATINUM CATALYSTS FOR THE CONTROL OF AIR POLLUTION; A TAIL GAS REDUCTION SYSTEM FOR NITRIC ACID PLANTS"
PLATINUM METALS REV.,V. 9-12,P.2-6,1965-1968
ACCESSION NUMBER: 0102N

HUNTER,J.B.
"PLATINUM CATALYSTS AND AIR POLLUTION CONTROL"
S. AFRICAN MINING ENG. J.,1968,P.438-440,FEB. 23,1968
ACCESSION NUMBER: 0084N

HUNTER,J.E.
"EFFECT OF CATALYTIC CONVERTERS ON AUTOMOTIVE AMMONIA EMISSIONS"
PAPER PRESENTED AT CENTRAL STATES SECTION,COMBUSTION INSTITUTE,ANN ARBOR,MICH.,MAR. 1971,GMR-1061,12P.
ACCESSION NUMBER: 0003N

INAGAKI,K.
"DRY TYPE SMOKE DESULFURIZATION TECHNIQUE USING METAL OXIDE CATALYST"
KOGAI (HAKUA SHOBO),V.7,NO.1,P.21-26,JAN. 1972 (JAPANESE)
ACCESSION NUMBER: 0139N

INOUE.T.
"CATALYTIC REMOVAL OF NOX IN GASES"
NENRYO KYOKAISHI (J. FUEL SOC. JAPAN. TOKYO).V.51.NO.1.P.19-24.JAN. 1972 (JAPANESE)
ACCESSION NUMBER: 0154N

JAROS.S..KRIZEK.J.
"CATALYTIC REDUCTION OF WASTE NITROGEN OXIDES"
CHEM. PRUMYSL (PRAGUE).17/42(11).P.581-586.1967 (CZECH.)
ACCESSION NUMBER: 0164N

JAROS.S..KRIZEK.J..SEBEK.J.
"UTILIZATION OF TIED NITROGEN DURING CATALYTIC REDUCTION OF NITROGEN OXIDE"
CZECH. PAT. 124669. OCT. 15. 1967
ACCESSION NUMBER: 0221N

JARRY.R.L..ANASTASIA.L.J..CARLS.F.L..JONKE.A.A.
"COMPARATIVE EMISSIONS OF POLLUTANTS DURING COMBUSTION OF NATURAL GAS AND COAL IN FLUIDIZED BEDS"
AIR POLLUTION CONTROL OFFICE.1972.AP-109.I-5.13PP.
ACCESSION NUMBER: 0047N

JEITNER.O..KONIG.K.
"ELIMINATION OF NITROUS GAS EMISSION BY CATALYTIC REDUCTION"
CHEM. TECH. (BERLIN).V.19.NO.3.P.166-169.MAR. 1967 (GERMAN)
ACCESSION NUMBER: 0099N

JENKINS.D.R..VOISEY.M.A.
"THE CATALYTIC REDUCTION OF NITRIC OXIDE IN AUTOMOBILE EXHAUST GASES - I. TESTS OF IRON-CONTAINING MATERIALS"
ATMOSPHERIC ENVIRONMENT.V. 7.1973.P.177-186
ACCESSION NUMBER: 0179N

JONES.J.H..ET AL.
"SELECTIVE CATALYTIC REACTION OF HYDROGEN WITH NITRIC OXIDE IN THE PRESENCE OF OXYGEN"
ENVIRONMENTAL SCIENCE AND TECHNOLOGY,SEP. 1971,P.790-798
ACCESSION NUMBER: 0011N

JONES.J.H..WEAVER.E.E.
"EXHAUST GAS PURIFICATION"
U.S. PATENT 3,599,427,AUG. 17,1971,6P.
ACCESSION NUMBER: 0136N

KANBE.R.
"FILTER FOR ELIMINATING HARMFUL GAS"
PREPRINT, REUTILIZATION OF RESOURCES TECHNICAL ASSOC. (JAPAN),6P.,1971 (JAPANESE)
ACCESSION NUMBER: 0131N

KANDELL.P..NEMES.G.
"METHOD OF REMOVING NITROGEN OXIDES FORM GASES"
U.S. PATENT 3,567,367,MAR. 2,1971,3P.
ACCESSION NUMBER: 0135N

KANEKO.Y..KIYOTA.Y.
"MITSUBISHI STATUS REPORT ON LOW EMISSION CONCEPT VEHICLES"
S.A.E. SPEC. PUB.,NO.370;1-12,MAY 1972 (PRESENTED AT THE NAT IONAL AUTOMOBILE ENGINEERING MEETING,DETROIT,MAY 22-26,1972.
ACCESSION NUMBER: 0172N

KARAKCHIEV,I.G..BRMAKOV.Y.I..KOLOVERTNOV,G.D.
"SUPPORTED CHROMIUM OXIDE CATALYSIS FOR ETHYLENE POLYMERIZATION. THE CAUSE OF STABILIZATION OF CR ION"
KINETIKA I KATALIZ, 8(1); 188-192, 1967
ACCESSION NUMBER: 0249N

KASAOKA,N.,MOTOO,K.,SETSUO,I.
"DRY CATALYTIC REDUCING REACTION FOR NITROGEN OXIDES"
PREPRINT,JAPAN SOCIETY OF CHEMICAL ENGINEERING, TOKYO, P. 25
-27, 1973
ACCESSION NUMBER: 0213N

KASAOKA,T.,TSUMAKI,N.,KITAMURA,J.
"REDUCTION SPEED (BY CARBON MONOXIDE AND HYDROCARBONS) OF
NITROGEN OXIDES; EXAMINATIONS USING COPPER COPRECIPITATION
CATALYSTS"
PREPRINT, JAPAN SOCIETY OF CHEMICAL ENGINEERING,TOKYO,P.74-7
6,1972 (JAPANESE)
ACCESSION NUMBER: 0152N

KAUFMAN,F.,KELSO,J.R.
"KINETICS OF DECOMPOSITION OF NITRIC OXIDE"
J. CHEM. PHYSICS, 21(4); 751, 1953
ACCESSION NUMBER: 0238N

KEARBY,K.K.
"CATALYTIC CONVERSION OF EXHAUST GAS IMPURITIES"
U.S. PATENT 3,565,574,FEB. 23,1971,8P.
ACCESSION NUMBER: 0060N

KEARBY,K.K.,LAND,R.J.
"CATALYTIC PURIFICATION TREATMENT OF EXHAUST GAS"
U.S. PATENT 3,476,508,NOV. 4,1969,4P.
ACCESSION NUMBER: 0101N

KHOKHEL,O.A.,ET AL.
"MATHEMATICAL DESCRIPTION OF A REACTOR FOR THE CATALYTIC
CLEANING OF WASTE GASES FROM THE PRODUCTION OF WEAK NITRIC
ACID AT 7.3 ATMOSPHERES"
KHIM. PROM. (MOSCOW),V.45,NO.10,1969,P.752-754(RUSS.)
ACCESSION NUMBER: 0040N

KIPOT,N.S.,BRODOVICH,A.I.,FILIPPOV,B.S.
"REMOVAL OF NITRIC OXIDE FROM COKE-OVEN GAS"
COKE CHEM. (USSR) (ENGLISH TRANS. FROM RUSSIAN OF KOKS I KHIM.),NO.3,P.38-43,1969
ACCESSION NUMBER: 0096N

KLIMISCH,R.L.
"CATALYST FOR NITROGEN OXIDE REDUCTION"
U.S. PATENT 3,674,423,JULY 4,1972,2P.
ACCESSION NUMBER: 0043N

KLIMISCH,R.L.,BARNES,G.J.
"CHEMISTRY OF CATALYTIC NITROGEN OXIDE REDUCTION IN AUTOMOTIVE EXHAUST GAS"
ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.6,NO.6,P.543-548,JUNE 1972
ACCESSION NUMBER: 0148N

KLIMISCH,R.L.,TAYLOR,K.C.
"AMMONIA INTERMEDIACY AS A BASIS FOR CATALYST SELECTION FOR NITRIC OXIDE REDUCTION"
ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.7,NO.2,FEB. 1972,P.127-131
ACCESSION NUMBER: 0013N

KLOSTER,J.P.,LINTZ,H.
"THE EFFECT OF GAS TEMPERATURE ON THE RATE OF A HETEROGENEOUS REACTION; A PARASITE EFFECT OCCURRING DURING THE NITROUS OXIDE DECOMPOSITION OVER PLATINUM IN A CLOSED RE
Z. PHYSIK. CHEM. NEUE FOLGE (FRANKFURT),V.78(3/4),P.215-218,MAY 1972 (GERMAN)
ACCESSION NUMBER: 0159N

KOBERSTEIN,E.,LAKATOS,E.
"CATALYST FOR PURIFICATION OF EXHAUST GASES FROM MOTOR VEHICLES AND INDUSTRIAL PLANTS"
U.S. PATENT 3,669,906,JUNE 13,1972,8P.
ACCESSION NUMBER: 0062N

KOBYLINSKI,T.P.,TAYLOR,B.W.
"CATALYTIC CHEMISTRY OF NITRIC OXIDE. I. EFFECT OF WATFR ON THE REDUCTION OF NITRIC OXIDF OVER SUPPORTFD CHROMIUM AND IRON OXIDES"
J. CATAL., 31(3), 450-458, 1973
ACCESSION NUMBER: 0224N

KOORI,Y.,OKAMOTO,O.,KAWAKAMI,A.,WATANABE,S.
"CATALYST FOR REDUCING NITROGEN OXIDES"
JAPAN. KOKAI 73 28391 (13(9)G11),APR. 14,1973,3P.
ACCESSION NUMBER: 0202N

KOSHIRO,I.,ET AL.
"CATALYST FOR COMPLETE REMOVAL OF OXIDES OF NITROGEN FROM AUTOMOBILE EXHAUST"
SEIDEI DAIGAKU KOGAKUBU KAGAKU HOKOKU,V.7,1969,P.545-546(JAPAN)
ACCESSION NUMBER: 0031N

KOVACH,S.M.,ROGERS,E.S.
"PROCESS FOR REMOVING NITROGEN WITH COBALT-RARF EARTH AND GROUP VI CATALYST"
U.S. PATFNT 3,345,286,OCT. 3,1967,8P.
ACCESSION NUMBER: 0061N

KUDO,T.,MANABE,T.,GEJO,T.,SEKI,M.,YOSHIDA,K.
"NEW OXIDE CATALYST WITH PEROVSKITE-RELATED STRUCTURF FOR REDUCTION OF NO WITH NH3"
PRESENTED AT 167TH MEFTING OF AM. CHEM. SOC., DIV. OF WATFR, AIR AND WASTE CHEM., LOS ANGELFS,CA., APR. 1974
ACCESSION NUMBER: 0253N

KULISH,O.N.,ZASORIN,A.P.,ATROSHCHENKO,A.V.
"KINETICS OF THE CONTACT INTFRACTION OF AMMONIA WITH NITRIC OXIDE AND OXYGEN"
IZV. VYSSH. UCHEB. ZAVED.,KHIM. KHIM. TEKHNOL.,V.15,NO.6.1972,P.955-957(RUSSL)
ACCESSION NUMBER: 0042N

Preceding page blank

KURIN.N.P.,BLOKH.I.O.
"CATALYTIC OXIDATION OF NITRIC OXIDE: PT. I"
ZH. PRIKL. KHIM.,V.11,NO.5,P.734-749,1938 (RUSSIAN)
ACCESSION NUMBER: 0085N

LAIDLER,K.J.
"CATALYSIS"
REINHOLD (P.H. EMMET ED.), NEW YORK, V. 1, 1954, P. 149
ACCESSION NUMBER: 0244N

LAWSON,A.
"A LOW TEMPERATURE CATALYTIC APPROACH TO NO(X) CONTROL"
JOURNAL OF CATALYSIS,24,1972,P.297-305
ACCESSION NUMBER: 0205N

LAWSON,A.
"A LOW TEMPERATURE CATALYTIC APPROACH TO NOX CONTROL"
JOURNAL OF CATALYSIS,V.24,NO.2,P.297-305,FEB. 1972
ACCESSION NUMBER: 0142N

LEECH,C.A.,PETERS,M.S.
"KINETIC STUDIES OF THE N2O-CO REACTION CATALYZED BY
CHROMIUM-PROMOTED IRON OXIDE"
PREPRINT, AMERICAN INST. OF CHEMICAL ENGINEERS,NEW YORK,15P.
,1971,FROM 64TH MEETING
ACCESSION NUMBER: 0162N

LUNT,R.S.,BERNSTEIN,L.S.,HANSEL,J.G.,HOLT,E.L.
"APPLICATION OF A MONEL-PLATINUM DUAL-CATALYST SYSTEM TO
AUTOMOTIVE EMISSION CONTROL"
PREPRINT, SOCIETY OF AUTOMOTIVE ENGINEERS,INC.,NEW YORK,16P.
,1972
ACCESSION NUMBER: 0151N

MARKVART,M.POUR,V.
"SELECTIVE REDUCTION OF NITROGEN OXIDES WITH AMMONIA"
CHEM. PRUMYSL (PRAGUE),V.19,NO.1,P.8-12,1969 (CZECH.)
ACCESSION NUMBER: 0066N

MARKVART,M.,POUR,V.
"THE INFLUENCE OF OXYGEN ON THE CATALYTIC REDUCTION OF NITRIC OXIDE BY AMMONIA"
J. CATALYSIS,7,P.279-281,1967
ACCESSION NUMBER: 0175N

MARKVART,M.,POUR,V.
"CATALYTIC REDUCTION OF WASTE NITROGEN OXIDES"
INTERNATIONAL CHEMICAL ENGINEERING,V.8,NO.2,APR. 1968,P.261-267
ACCESSION NUMBER: 0015N

MATTHEY BISHOP INC.
"INCREASING RELIABILITY OF PLATINUM CATALYST SYSTEMS"
AUTOMOTIVE ENGINEERING,V.80,NO.12,DEC. 1972,P.11
ACCESSION NUMBER: 0033N

MAYLAND,B.J.,HEINZE,R.C.
"CONTINUOUS CATALYTIC ABSORPTION FOR NO(X) EMISSION CONTROL"
CHEMICAL ENGINEERING PROGRESS V.69,NO.5,MAY 1973,P.75-76
ACCESSION NUMBER: 0187N

MEGUERIAN,G.H.
"NITROGEN OXIDE; FORMATION, SUPPRESSION, AND CATALYTIC REDUCTION"
WATER AIR CONSERV. PETROL. IND.,1971,P.21-21
ACCESSION NUMBER: 0045N

MEGUERIAN,G.H.,RADOWSKY,F.W.,HERSCHBERG,E.H.,LANG,C.R.,SCHOC
"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL"
S.A.E. PAPER 720480, MAY 1972
ACCESSION NUMBER: 0255N

MEGUERIAN,G.H.,RAKOWSKY,F.W.,HIRSCHBERG,E.H.,LANG,C.R.,SCHOC
"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL"
SOC. AUTOMOT. ENGRS., SPEC. PUB. NO. 370, 24P., MAY 1972
ACCESSION NUMBER: 0216N

MEGUERIAN,G.H.,ET AL.
"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL"
PROC.,DEV. REFINING,AMERICAN PETROLEUM INST.,1972,V.52,P.740
-760
ACCESSION NUMBER: 0049N

MERKEL,H.
"REMOVAL OF AMMONIA FROM GAS"
W. GER. PATENT APPL. 2,026,657,JUNE 1,1970,10P.
ACCESSION NUMBER: 0170N

MICHAILOVA,E.A.
"THE KINETICS OF THE REACTION BETWEEN AMMONIA AND NITRIC
OXIDE ON THE SURFACE OF A PLATINUM FILAMENT"
ACTA PHYSICOCHIM. USSR,V.10,NO.5,P.653-676,1939
ACCESSION NUMBER: 0089N

NABIYEW,M.K.,ET AL.
"PURIFICATION OF NITROGEN OF EXHAUST GAS IN THE PRODUCTION
OF WEAK NITRIC ACID FOR THE SYNTHESIS OF AMMONIA"
DOKL. AKAD. NAUK UZ. SSR,V.20,NO.11,P.17-20,1963 (RUSSIAN)
ACCESSION NUMBER: 0087N

NAKAJIMA,F.,TAKEUCHI,M.
"CATALYSTS FOR PURIFICATION OF AUTOMOBILE EXHAUST GAS;
(II),CONTACT REDUCTION BY CO AND C3H8 OF NO"
PREPRINT, JAPAN CHEMICAL SOCIETY,TOKYO,1P.,1971 (JAPANESE)
ACCESSION NUMBER: 0121N

NATIONAL AIR POLLUTION CONTROL ADMINISTRATION
"NITROGEN OXIDES; AN ANNOTATED BIBLIOGRAPHY"
NATIONAL AIR POLLUTION CONTROL AD. PUB. NO. AP-72, U.S. DEP
T. OF H.E.W., RALIEGH, NO. CAROLINA, AUG. 1970
ACCESSION NUMBER: 0231N

NEGRA,J.S.,WARSHAW,A.
"CATALYST FOR TREATING EXHAUST GAS FROM INTERNAL
COMBUSTION ENGINES"
U.S. PATENT 3,701,822,OCT. 31,1972,3P.
ACCESSION NUMBER: 0054N

NEUMANN,B.,ROSE,H.
"THE CATALYTIC OXIDATION OF AMMONIA INTO NITRIC ACID"
A. ANGEW. CHEM (WEINHEIM),V.1,P.45-48,51-55,FEB. 24,1920 (TR
ANS. FROM GERMAN)
ACCESSION NUMBER: 0150N

NEWMAN,D.J.
"NITROGEN OXIDE POLLUTION; NITRIC ACID PLANT POLLUTANTS"
CHEMICAL ENGINEERING PROGRESS,V.67,NO.2,P.79-84,FEB. 1971
ACCESSION NUMBER: 0123N

NIIMI,I.,MORITA,A.,MENOTO,Y.,SATO,M.
"COPPER-IRON-NICKEL ALLOY CATALYSTS FOR REMOVAL OF NITRIC
OXIDE FROM AUTOMOTIVE EXHAUST GASES"
GER. OFFEN. 2306785 (C 22C), AUG. 23, 1973
ACCESSION NUMBER: 0229N

NINOMIYA,N.,ICHIKAWA,H.,NISHINO,H.
"METHOD TO MANUFACTURE VAPOR-PHASE OXIDATION CATALYST FOR
SULFUROUS ACID GAS"
JAPAN. PATENT SHO 46-7571,FEB. 25,1971,2P.
ACCESSION NUMBER: 0125N

NUBE,K.,BAUERLE,G.L.
"CATALYSTS FOR AUTOMOTIVE POLLUTION CONTROL DEVICES"
FINAL REPORT, SCHOOL OF ENGINEERING AND APPLIED SCIENCES. U.C.L.A., SEPT. 1973
ACCESSION NUMBER: 0252N

NUBE,K.,WIKSTROM,L.L.
"CATALYTIC DECOMPOSITION OF NITROGEN DIOXIDE"
PREPRINT,AM. CHEM. SOC.,PITTSBURGH,DOV. WATER,AIR WASTE CHEM.,P.268-273,1963
ACCESSION NUMBER: 0069N

NONNENMACHER,H.,KARTTE,K.
"SELECTIVE REMOVAL OF OXIDES OF NITROGEN FROM GAS MIXTURES CONTAINING OXYGEN"
U.S. PATENT 3,279,384,OCT. 18,1966,4P.
ACCESSION NUMBER: 0038N

NUZUM,H.K.,WALLING,J.F.
"CATALYTIC DECOMPOSITION OF NO IN FLUE GAS (FINAL REPT.)"
BATTELLE MEMORIAL INST.,COLUMBUS,OHIO,GRANT 5 R01 AP00577.41 P.,MAY 31,1969
ACCESSION NUMBER: 0103N

OHKI,T.,SATOSHI,A.,TOYAMA,A.,HASEHA,S.
"REMOVING OXIDES OF NITROGEN PRESENT IN GASES PRODUCED FROM COAL, COKE, OR OILS AS RAW MATERIALS BY A CATALYTIC HYDROGENATION"
JAPAN. 73 01801 (C 10K, B 01J, C 01B),JAN. 20,1973,3P.
ACCESSION NUMBER: 0188N

OHYA,M.
"NITROGEN OXIDES FROM STATIONARY COMBUSTION FURNACE"
SANGYO KOGAI,V.5,NO.8,P.448-456,AUG. 25,1969 (JAPANESE)
ACCESSION NUMBER: 0095N

OKI,T.,TETSU,A.,AKIRA,T.,SHIGERU,H.
"CONTACT TYPE REMOVAL METHOD FOR NO CONTAINED IN GAS MANUFACTURED FROM COAL, COKE, OR OIL"
JAPAN PAT. SHO 46-18383, 4P., MAY 22, 1971
ACCESSION NUMBER: 0218N

OKUYAMA,T.,SANO,M.,MINE,J.
"CHROMIUM OXIDE-IRON OXIDE-NICKEL OXIDE CATALYSTS FOR TREATMENT OF AUTOMOTIVE EXHAUST GASES"
GER. OFFEN. 2308789 (B01J), AUG. 30,1973
ACCESSION NUMBER: 0230N

OKUYAMA,T.,SANO,M.,MANABE,S.,IWABUCHI,H.
"CATALYSTS FOR EXHAUST GAS TREATMENT"
GER. OFFEN. 2252402 (B 01J, F 01N),MAY 30,1973,36P.
ACCESSION NUMBER: 0193N

ONG,B.G.,MASON,D.M.
"CATALYTIC DECOMPOSITION OF NITROGEN DIOXIDE ON A HEATED PLATINUM WIRE"
INDUSTRIAL ENGINEERING CHEMISTRY FUNDAMENTALS,V.11,NO.2,P.16 9-174,MAY 1972
ACCESSION NUMBER: 0141N

ONISHI,Y.
"THE CATALYTIC DECOMPOSITION OF NITROUS OXIDE ON TITANIUM DIOXIDE; ANATASE AND RUTILE"
BULL. CHEM. SOC. JAPAN (TOKYO),V.45,NO.3,P.922-923,MAR. 1972
ACCESSION NUMBER: 0147N

OODAN,K.,SASAYA,H.,YOSHIDA,K.,OTSUKA,H.
"CATALYTIC DECOMPOSITION OF NITROGEN OXIDES"
JAPAN. KOKAI 7355870 (13(7)A11), AUG. 6,1973,4P.
ACCESSION NUMBER: 0190N

ORSINI,R.A.,TUNICK,S.A.,BAUERLE,G.L.,NOBE,K.
"REDUCTION OF NITRIC OXIDE WITH HYDROGEN ON COPPER-NICKEL
AND NICKEL-CHROMIUM CATALYSTS"
U.C.L.A. REPORT UCLA-ENG-7402, JAN. 1976
ACCESSION NUMBER: 0257N

OTTO,K.,SHELEF,M.
"STUDIES OF SURFACE REACTIONS OF NITRIC OXIDE BY ISOTOPE
LABELING. IV, REDUCTION OF NITRIC OXIDE BY AMMONIA AND
HYDROGEN OVER SUPPORTED RUTHENIUM"
J. PHYS. CHEM.,85(5-6),308-322,1973
ACCESSION NUMBER: 0212N

OTTO,K.,SHELEF,M.,KUMMER,J.T.
"STUDIES OF SURFACE REACTIONS BY NITROGEN - 15 ISOTOPE
LABELING I. THE REACTION BETWEEN NITRIC OXIDE AND AMMONIA
OVER SUPPORTED PLATINUM"
J. PHYS. CHEM.,74(13); 2690-2698,1970
ACCESSION NUMBER: 0211N

OTTO,K.,SHELEF,M.
"THE ADSORPTION OF NITRIC OXIDE ON PLATINUM BLACK"
JOURNAL OF CATALYSIS,V. 29,1973,P.138-145
ACCESSION NUMBER: 0203N

OTTO,K.,SHELEF,M.,KUMMER,J.T.
"STUDIES OF SURFACE REACTIONS OF NO BY ISOTOPE LABELING;
II, DEUTERIUM KINETIC ISOTOPE EFFECT IN THE AMMONIA-NITRIC
OXIDE REACTION OF A SUPPORTED PLATINUM CATALYST"
JOURNAL OF PHYSICAL CHEMISTRY,V.75,NO.7,P.875-879,APR. 1971
ACCESSION NUMBER: 0114N

OTTO,K.,SHELEF,M.,KUMMER,J.T.
"STUDIES OF SURFACE REACTIONS OF NO BY ISOTPE LABELING;
III, THE EXCHANGE OF OXYGEN BETWEEN NO AND THE SURFACE OF
IRON OXIDE"
Z. PHYSIK. CHEM. NEUE FOLGE (FRANKFURT),V.72 NO. 4-6,P.316-3
29,1970
ACCESSION NUMBER: 0111N

OTTO,K.,SHELEF,M.
"THE ADSORPTION OF NITRIC OXIDE ON IRON OXIDES"
JOURNAL OF CATALYSIS,V.18,NO.2,P.184-192,AUG. 1970
ACCESSION NUMBER: 0104N

OYA,S.,OYA,N.
"ON REMOVAL OF NO GAS GENERATED IN MEDIUM AND SMALL SIZE CHEMICAL FACTORIES"
PREPRINT, SAFETY ENGINEERING SOCIETY OF JAPAN, TOLYO,4P.,1970 (JAPANESE)
ACCESSION NUMBER: 0122N

PERRINE,R.L.,LIMIN,H.
"POWER AND INDUSTRY; CONTROL OF NITROGEN OXIDE EMISSIONS"
PROJECT CLEAN AIR, CALIF. UNIV. BERKELEY, TASK FORCE 5, 1(9), SEPT. 1970
ACCESSION NUMBER: 0220N

PETERSEN,E.E.,BELL,A.T.
"CATALYTIC REDUCTION OF OXIDES OF NITROGEN (FINAL REPT.)"
UNIV. OF CALIF.,BERKELEY,DEPT. OF CHEMICAL ENGINEERING,GRANT AP-00387,6P.,1970
ACCESSION NUMBER: 0132N

PETERS,G.H.,AKER,J.E.,MORELLO,E.F.
"A SOLID CHEMICAL AIR GENERATOR"
AMOCO CHEMICALS CORP.,SEYMOUR,IND.,PROPELLANTS DEV.,REPT. NO. AMRL-TDR-64-71,DSEPT. 1964,55P.
ACCESSION NUMBER: 0078N

PETERS,M.S.
"CATALYTIC MECHANISMS FOR NITROGEN OXIDES REDUCTION (FINAL REPT.)"
COLORADO UNIV.,BOULDER,ENGINEERING RESEARCH CENTER,GRANT ORG/NAPCA AP 00388,15P.,MAR. 1,1971
ACCESSION NUMBER: 0130N

PIERCE,J.A.
"A STUDY OF THE REACTION BETWEEN NITRIC OXIDE AND HYDROGEN SULPHIDE"
JOURNAL OF PHYSICAL CHEMISTRY,V.33,NO.1,P.22-36,JAN. 1929
ACCESSION NUMBER: 0068N

POGINSKIY,S.Z.,RUFOV,Y.N.
"CHEMOSORPTION OF MIXTURES ONTO NIO."
KINETIKA I KATALIZ,V.7,NO.1,P.136-143,1966 (RUSSIAN)
ACCESSION NUMBER: 0098N

POLLONE,C.
"FIAT STATUS REPORT ON LOW EMISSION CONCEPT VEHICLES"
S.A.E. PUB.,NO.370;1-16,MAY 1972 (PRESENTED AT THE NATIONAL AUTOMOBILE ENGINEERING MEETING,DETROIT,MAY 22-26,1972,PAPER
ACCESSION NUMBER: 0173N

POMOT,J.L.E.
"COBALT SULFIDE AND NICKEL SULFIDE CATALYSTS FOR REDUCTION OF NITROGEN OXIDES IN EXHAUST GASES"
GER. OFFEN. 2307342 (B01J), AUG. 30, 1973
ACCESSION NUMBER: 0225N

PORZEL,W.,WOLFGANG,K.
"EXPERIMENTS FOR THE PRODUCTION OF INERT GAS FROM THE WASTE GASES OF A NITRIC ACID PLANT"
CHEM. TECH., 23(9); 537-539, SEPT. 1971
ACCESSION NUMBER: 0217N

PUBLIC HEALTH SERVICE
"CONTROL TECHNIQUES FOR NITROGEN OXIDE EMISSIONS FROM STATIONARY SOURCES"
PUBLIC HEALTH SERVICE,WASHINGTON D.C.,NAPCA AP-67,113P.,MAR. 1970
ACCESSION NUMBER: 0155N

QUESTOR CORP.
"EMISSION CONTROL DEVICE TAKES LEADED FUELS IN STRIDE"
PRODUCT ENGINEERING,JAN. 1973,P.9-10
ACCESSION NUMBER: 0034N

QUINLAN,C.W.,OKAY,V.C.,KITTRELL,J.R.
"SIMULTANEOUS CATALYTIC REDUCTION OF NITRIC OXIDE AND SULFUR DIOXIDE BY CARBON MONOXIDE"
IND. ING. CHEM. PROCESS DES. DEVELOP.,V. 12,NO.3,1973,P.359-365
ACCESSION NUMBER: 0185N

REED,R.M.,HARVIN,R.L.
"NITRIC ACID PLANT FUME ABATERS"
CHEMICAL ENGINEERING PROGRESS,V.68,NO.4,APR. 1972,P.78-79
ACCESSION NUMBER: 0012N

RIESZ,C.H.,MORRITZ,F.L.,FRANSON,K.D.
"CATALYTIC DECOMPOSITION OF NITRIC OXIDE"
AIR POLLUTION FOUNDATION REPORT, NO. 20, 22P., 1957
ACCESSION NUMBER: 0240N

ROMEO,P.L.
"CATALYSIS AND THE CONTROL OF OXIDES OF NITROGEN"
PREPRINT, PUBLIC HEALTH SERVICE, NAPCA, AND MUCOM,28P.,1970
ACCESSION NUMBER: 0168N

ROTH,J.F.
"PROCESS FOR CATALYTICALLY TREATING EXHAUST GASES"
U.S. PATENT 3,493,325,FEB. 3,1970,9P.
ACCESSION NUMBER: 0057N

ROTH,J.F.,DOERR,R.C.
"OXIDATION-REDUCTION CATALYSIS"
INDUSTRIAL ENGINEERING CHEMISTRY,V.53,NO.4,P.293-296,APR. 1961
ACCESSION NUMBER: 0166N

RYASON,P.R.
"METHOD OF REMOVING SULFUR DIOXIDE AND NITROGEN OXIDES FROM GASES"
U.S. PAT. 3,454,355, JULY 8, 1969
ACCESSION NUMBER: 0222N

RYASON,P.R.,HARKINS,J.
"STUDIES ON A NEW METHOD OF SIMULTANEOUSLY REMOVING SULFUR DIOXIDE AND OXIDES OF NITROGEN FROM COMBUSTION GASES"
JOURNAL OF THE AIR POLLUTION CONTROL ASSOCIATION,V.17,NO.12, DEC. 1967,P.796-799
ACCESSION NUMBER: 0030N

SAKAIDA,R.R.,RINDER,R.G.,WANG,U.I.,CORCORAN,W.J.
"CATALYTIC DECOMPOSITION OF NITRIC OXIDE"
JOURNAL OF AMER. INST. OF CHEM. ENG.,V.7,NO.4,P.658-663,DEC. 1961
ACCESSION NUMBER: 0081N

SCHMIDT,K.
"METHOD FOR REMOVING NITROGEN OXIDES FROM GASES THROUGH CATALYTIC REDUCTION OF THESE SUBSTANCES TO NITROGEN"
WEST GERMAN PATENT 1,259,298,JAN. 25,1968,2P. (GERMAN)
ACCESSION NUMBER: 0090N

SEARLES,R.A.
"POLLUTION FROM NITRIC ACID PLANTS; PURIFICATION OF TAIL GAS USING PLATINUM CATALYSTS"
PLATINUM MET. REV.,V.17,NO.2,APR. 1973,P.57-63
ACCESSION NUMBER: 0182N

SEEGALL,M.I.,NAPIER,J.C.,COMPTON,W.A.
"CATALYTIC CONTROL OF NOX EMISSIONS FROM MOBILE SOURCES (FINAL REPORT)"
INTERNATIONAL HARVESTER CO.,SAN DIEGO,CA.,RESEARCH LABS.,REPT. RDR 1700,143P.,DEC. 1971
ACCESSION NUMBER: 0140N

SHELEF,M.
"CATALYTIC REDUCTION OF NITRIC OXIDE"
PROC.,FIRST NATL. SYMP. ON HETEROGENEOUS CATALYSIS FOR CONTR
OL OF AIR POLLUTION,PHILADELPHIA,NOV. 1968,P.87-112
ACCESSION NUMBER: 0093N

SHELEF,M.,GANDHI,H.S.
"AMMONIA FORMATION IN CATALYTIC REDUCTION OF NITRIC OXIDE
BY MOLECULAR HYDROGEN"
I AND EC PRODUCT RESEARCH AND DEVELOPMENT,V. 11,DEC. 1972,P.
393-396
ACCESSION NUMBER: 0177N

SHELEF,M.,GANDHI,H.S.
"AMMONIA FORMATION IN THE CATALYTIC REDUCTION OF NITRIC
OXIDE. III. THE ROLE OF WATER GAS SHIFT, REDUCTION BY
HYDROCARBONS AND STEAM REFORMING"
IND. ENG. CHEM., PROD. RES. DEVELOP., 13(1); 80-85, 1974
ACCESSION NUMBER: 0258N

SHELFF,M.,GANDHI,H.S.
"AMMON FORMATION IN CATALYTIC REDUCTION OF NITRIC OXIDE BY
MOLECULAR HYDROGEN"
IND. ENG. CHEM. PROD. RES. DEVELOP.,V.11,NO.1,MAR. 1972,P.2-
11
ACCESSION NUMBER: 0017N

SHELEF,M.,KUMMER,J.T.
"THE BEHAVIOR OF NITRIC OXIDE IN HETEROGENEOUS CATALYTIC
REACTIONS"
CHEMICAL ENGINEERING PROGRESS SYMP. SERIES,V.67,NO.115,P.74-
92,1971
ACCESSION NUMBER: 0134N

SHELEF,M.,OTTO,K.,GANDHI,H.
"THE OXIDATION OF CO BY O2 AND BY NO ON SUPPORTED CHROMIUM OXIDE AND OTHER METAL OXIDE CATALYSTS"
JOURNAL OF CATALYSIS,V.12,NO.4,P.361-375,1968
ACCESSION NUMBER: 0167N

SHELEF,M.,OTTO,K.
"APPERANCE OF N2O IN THE CATALYTIC REDUCTION OF NO BY CO"
JOURNAL OF CATALYSTS,V.10,1968,P.408-413
ACCESSION NUMBER: 0009N

SHELEF,M.,OTTO,K.,GANDHI,H.
"THE HETEROGENEOUS DECOMPOSITION OF NITRIC OXIDE ON SUPPORTED CATALYSTS"
ATMOSPHERIC ENVIRONMENT,V. 3,1969,P.107-122
ACCESSION NUMBER: 0001N

SIMIZU,I.,DAWASAKI,M.
"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM AUTOMOTIVE EXHAUST GASES"
JAPAN. KOKAI 73 71366(13(7)A11, 51 D51, 13(9) G3),SEPT. 27, 1973
ACCESSION NUMBER: 0226N

SLAUGH,L.H.
"PROCESS FOR REDUCING NITRIC OXIDE TO NITROUS OXIDE"
U.S. PATENT 3,321,274,MAY 23,1967,2P.
ACCESSION NUMBER: 0107N

SLUGOCKI,E.
"CATALYTIC HYDROGENATION OF ACETYLENE AND NITROGEN OXIDES IN COKE GAS"
PRZEMYSL CHEM.,V.48,NO.2,P.85-87,FEB. 1969 (POLISH)
ACCESSION NUMBER: 0106N

SOLOOJO,K.C.
"CONTROL OF NITROGEN OXIDE EMISSIONS FROM COMBUSTION SOURCES; PT. I, STATIONARY COMBUSTION SOURCES"
JOURNAL OF FUEL HEAT TECHNOLOGY,V.18,NO.1,P.2-6,JAN. 1972
ACCESSION NUMBER: 0144N

SORENSEN,L.L.C.,NOBE,K.
"NITRIC OXIDE REDUCTION WITH CO AND C3 HYDROCARBON OXIDATION ON CU-AL2O3-EFFECT OF LEAD"
I AND EC PRODUCT RESEARCH AND DEVELOPMENT,V.11,NO.4,DEC. 1972,P.423-425
ACCESSION NUMBER: 0026N

SORENSEN,L.,L.,NOBE,K.
"THE EFFECT OF LEAD ON THE CATALYTIC REDUCTION OF NITRIC OXIDE WITH CARBON MONOXIDE ON CU-AL2O3"
PREPRINT, AMERICAN CHEMICAL SOCIETY,WASHINGTON,DIV. OF WATER,AIR,AND WASTE CHEMISTRY,5P.,1971
ACCESSION NUMBER: 0129N

SOTOODEHNIA-KORRANI,A.,NOBE,K.
"REDUCTION OF NITRIC OXIDE WITH ETHYLENE ON COPPER-SILICA CATALYST"
IND. ENG. CHEM. PROCESS DES. DEVELOP.,V.9,NO.3,JULY 1970,P.455-459
ACCESSION NUMBER: 0020N

SOURIRAJAN,S.,BLUMENTHAL,J.L.
"THE APPLICATION OF COPPER-SILICA CATALYST FOR THE REMOVAL OF NITROGEN OXIDES PRESENT IN LOW CONCENTRATIONS BY CHEMICAL REDUCTION WITH CARBON MONOXIDE OR HYDROGEN"
INTERNATIONAL JOURNAL OF AIR WATER POLLUTION (LONDON),V.5,NO.1,P.24-33,1961
ACCESSION NUMBER: 0169N

SOURIRAJAN,S.,BLUMENTHAL,J.L.
"CATALYTIC DECOMPOSITION OF NITRIC OXIDE PRESENT IN LOW CONCENTRATIONS"
PROC. 2ND INT. CONGRESS CATALYSIS,PAPER 131,PARIS,1960
ACCESSION NUMBER: 0024N

STENZEL,J.,HARNISCH,H.,KNAPSACK,A.G.
"REDUCTION CATALYST FOR NITRIC OXIDE IN EXHAUST AND FLUE GASES"
GER. OFFEN. 2165550 (B 01J),JULY 5,1973,12P.
ACCESSION NUMBER: 0183N

STENZEL,J.,KNAPSACK,A.G.
"REDUCTION OF NITROGEN OXIDE IN EXHAUST AND WASTE GASES"
GER. OFFEN. 2165548 (B 01D),JULY 5,1973,15P.
ACCESSION NUMBER: 0184N

STEPHENS,R.E.
"METHOD OF DECOMPOSING NITROGEN OXIDES"
U.S. PATENT 3,552,913,JAN. 5,1971,4P.
ACCESSION NUMBER: 0063N

STEPHENS,R.E.
"CATALYST COMPOSITION"
U.S. PATENT 3,524,721,AUG. 18,1970,6P.
ACCESSION NUMBER: 0059N

STEPHENS,R.E.
"METHOD OF DECOMPOSING NITROGEN OXIDES"
U.S. PATENT 3,545,917,DEC. 8,1970,6P.
ACCESSION NUMBER: 0058N

TAKETO,O.,ABE,T.,TOYAMA,A.,HASEBA,S.
"CONTACT TYPE REMOVAL METHOD FOR NO CONTAINED IN GAS MANUFACTURED FROM COAL, COKE, OR OIL"
JAPAN. PATENT SHO 46-18383,MAY 22,1971,4P. (JAPANESE)
ACCESSION NUMBER: 0127N

TAKEYAMA,T.,ENDO,R.,MASUDA,K.
"OXIDATION OF NITROGEN MONOXIDE"
JAPAN. KOKAI 73 32795 (15 B22),MAY 2,1973,3P.
ACCESSION NUMBER: 0194N

TAMURA,T.
"THE CHEMISORPTION OF NITRIC OXIDE AND NITROGEN ON RHENIUM"
BULL. CHEM. SOC. JAPAN (TOKYO),V.44,NO.3,P.590-595,MAR. 1971
ACCESSION NUMBER: 0120N

TAMURA,T.,HAMAMURA,T.
"INTERACTION OF NITRIC OXIDE, NITROGEN, AND OXYGEN WITH RHENIUM"
MEM. FAC. IND. ARTTS,KYOTO TECH. UNIV.,SCI. TECHNOL.,1971,V. 20,P.55-70(ENG.)
ACCESSION NUMBER: 0048N

TAYLOR,F.R.
"CATALYTIC REMOVAL OF NITROGEN OXIDES, CARBON MONOXIDE AND HYDROCARBONS FROM COMBUSTION EXHAUST STREAMS"
FRANKLIN INSTITUTE LABORATORIES,PHILADELPHIA,PA.,1959,18P.
ACCESSION NUMBER: 0176N

TAYLOR,K.,KLIMISCH,R.L.
"THE CATALYTIC REDUCTION OF NITRIC OXIDE OVER SUPPORTED RUTHENIUM CATALYSTS"
JOURNAL OF CATALYSIS,V. 30,NO. 3,1973,P.478-484
ACCESSION NUMBER: 0197N

TESKE,W.
"EMISSIONS AND ABATEMENT OF OXIDES OF NITROGEN IN NITRIC ACID MANUFACTURE"
CHEMICAL ENGINEERING,NO. 221,CE263-266,SEPT. 1968
ACCESSION NUMBER: 0079N

TIKHONENKO,A.D.,NABIYEV,M.N.,IBRAGIMOV,Y.I.
"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM WASTE GASES ON NICKEL CATALYSTS"
UZBEKSK. KHIM. ZH.,NO. 4,P.6-8,1970 (RUSSIAN)
ACCESSION NUMBER: 0165N

TIKHONENKO,A.D.,NABIEV,M.N.
"NATURAL-GAS CATALYTIC REDUCTION OF NITRIC OXIDE TAIL GASES FROM NITRIC ACID PRODUCTION"
UZBESK. KHIM. ZH.,V.11,NO.4,P.6-9,1967 (RUSSIAN)
ACCESSION NUMBER: 0097N

TODO,M.
"AUTOMOTIVE EXHAUST GAS PURIFICATION CATALYST"
SEKIYU TO SEKIYU KAGAKU (PETROL. PETROCHEM.),V.15,NO.7,P.103 -108,1971 (JAPANESE)
ACCESSION NUMBER: 0145N

TORO,R.F.,MAGDER,J.,GODING,A.T.
"REMOVAL OF SULFUR DIOXIDE FROM WASTE GASES BY REDUCTION TO ELEMENTAL SULFUR (FINAL REPORT)"
PRINCETON CHEMICAL RESEARCH INC.,N.J.,295P.,JULY 30,1969
ACCESSION NUMBER: 0138N

TOURTELLOTEE,J.F.,NEGRA,J.S.,WARSHAW,A.,VILLIERSFISHER,J.
"CONTROL OF NITROGEN OXIDES EMISSION FROM ENGINES"
U.S. 3739583, JUNE 19,1973,5P.
ACCESSION NUMBER: 0198N

TOURTELOTTE,J.F.,NEGRA,J.A.,ET AL.
"ENGINE EXHAUST EMISSION CONTROL SYSTEM"
U.S. PATENT 3,699,683,OCT. 24,1972,3P.
ACCESSION NUMBER: 0052N

Reproduced from best available copy.

TRETYAKOV,I.I.,KORCHAK,V.N.,SHUB,B.R.
"REACTION OF NITRIC OXIDE WITH HYDROGEN ON PLATINUM WHICH HAS BEEN PURIFIED UNDER SUPER-HIGH VACUUM"
TRANSLATED FROM KINETIKA KATALIZ,V. 13,NO.2,MAR.-APR. 1972,P.512-514
ACCESSION NUMBER: 0208N

TSUNOI,K.,TADA,K.
"PALLADIUM-PLATINUM CATALYSTS FOR DECOMPOSITION OF NITROGEN OXIDES"
JAPAN. KOKAI 73 15785,FEB. 28,1973,3P.
ACCESSION NUMBER: 0199N

UNLAND,M.L.
"ISOCYANATE INTERMEDIATES IN THE REACTION NO-CO OVER A PT/AL2O3 CATALYST"
JOURNAL OF PHYSICAL CHEMISTRY,V. 77,NO. 16, 1973,P.1952-1956
ACCESSION NUMBER: 0196N

VAN DER DRIFT,J.
"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM EXHAUST GASES OF NITRIC ACID PLANTS"
CHEM. TECH,V24,NO.10,1969,P.301-305(NETH.)
ACCESSION NUMBER: 0032N

VARTULI,J.C.,GONZALEZ,R.D.
"AMMONIA FORMATION IN THE NITRIC OXIDE-METHANE REACTION"
IND. ENG. CHEM. PROD. RES. DEVELOP.,V. 12,NO. 3,1973,P.171-175
ACCESSION NUMBER: 0191N

VETTER,K.
"KINETICS OF THE THERMAL DECOMPOSITION AND FORMATION OF NITRIC OXIDE"
Z. ELECTROCHEM., PART I AND II, 53; 369-80, 1949
ACCESSION NUMBER: 0235N

VLADENKI,V.M.,YUZEFOVICH,G.E.,NEPIYUSHCHAYA,R.P.
"CATALYTIC ACTIVITY OF SPINELS AND THEIR OXIDE CONTENT IN THE REACTION OF NITRIC OXIDE WITH CARBON MONOXIDE"
INST. FIZ. KHIM. IM. PISARZHEVSKOGO, KIEV, USSR, KATAL. KATAL, (KAKAA), NO. 10, 81-5, 1973
ACCESSION NUMBER: 0223N

VOROTYNTSEV,V.M.,SHVETS,V.A.,KAZANSKIY,V.B.
"EPR STUDY OF CHANGES OF COORDINATION STATE OF TETRAVALENT VANADIUM IONS ON A VANADIUM CATALYST SURFACE UPON ADSORPTION OF NH3, SO2,N2O,AND N2"
KENETIKI I KATALIZ,V.12,NO.3,P.678-684,1971 (RUSSIAN)
ACCESSION NUMBER: 0146N

VOSOLSOBE,J.,ET AL.
"CATALYST FOR OXIDATION OF AMMONIA"
GER. OFFEN. 2,216,328,OCT. 12,1972,9P.
ACCESSION NUMBER: 0053N

WINTER,E.R.S.
"THE CATALYTIC DECOMPOSITION OF NITRIC OXIDE BY METALLIC OXIDES"
JOURNAL OF CATALYSTS,V.22,1971,P.158-170
ACCESSION NUMBER: 0007N

WINTER,E.R.S.
"THE DECOMPOSITION OF NITROUS OXIDE ON THE RARE EARTH SESQUIOXIDES AND RELATED OXIDES"
JOURNAL OF CATALYSIS,V.15,NO.2,P.144-152,1969
ACCESSION NUMBER: 0088N

WISE,H.,FRECH,M.F.
"KINETICS OF DECOMPOSITION OF NO AT ELEVATED TEMPERATURES. II. THE EFFECT OF REACTION PRODUCTS AND THE MECHANISM OF DECOMPOSITION"
J. CHEM. PHYSICS, 20(11); 1724-7, 1952
ACCESSION NUMBER: 0237N

Reproduced from best available copy.

WISE,H.,FRECH,M.F.
"KINETICS OF DECOMPOSITION OF NITRIC OXIDE AT ELEVATED TEMPERATURES. I. RATE MEASUREMENTS IN A QUARTZ VESSEL"
J. CHEM. PHYSICS, 20(1); 22-4, 1952
ACCESSION NUMBER: 0236N

YAMAKI,N.,TSUCHIMOTO,K.
"CATALYSTS FOR AUTO EXHAUST EMISSION CONTROL"
UNION OF JAPANESE SCIENTISTS AND ENGINEERS,PROC. INT. SYMP. AIR POLLUT.,TOKYO,JAPAN,1972,P.643-656 (JAPANESE)
ACCESSION NUMBER: 0174N

YAMANAKA,T.
"UTILIZATION OF CATALYST IN AIR POLLUTION CONTROL (3)"
KAGAKU KOGYO (TOKYO),V.22,NO.4,P.534-539,APR. 1971 (JAPANESE)
ACCESSION NUMBER: 0119N

YAMANAKA,T.
"UTILIZATION OF CATALYST IN AIR POLLUTION CONTROL"
KAGAKU KOGYO (TOKYO),V.22,NO.3,P.102-108,MAR. 1971
ACCESSION NUMBER: 0112N

YAMATE,N.
"AIR POLLUTION BY TOXIC GAS AND ITS COUNTER MEASURE"
J. JAPAN AIR CLEANING ASSOC.,TOKYO,V.3,NO.2,P.19-25,1965 (JAPAN)
ACCESSION NUMBER: 0075N

YOLLES,R.S.,WISE,H.,BERRIMAN,L.P.
"STUDY OF CATALYTIC CONTROL OF EXHAUST EMISSIONS FOR OTTO CYCLE ENGINES"
STANFORD RESEARCH INSITIUTE, FINAL REPORT, IRVINE, CA., APR. 1970
ACCESSION NUMBER: 0251N

YOLLFS,R.S.,WISF,H.
"CATALYTIC CONTROL OF AUTOMOBILF EXHAUST EMISSIONS"
CRC CRITICAL REV. ENVIRONMENTAL CONTROL,V.2,NO.1,P.125-146,A
PR. 1971
ACCESSION NUMBER: 0126N

YOSHITOMI,S.,KASHIYAE,M.
"THE CONVERSION CATALYSTS OF AUTOMOTIVE EXHAUST GAS"
NENRYO KYOKAISHI (J. FUEL SOC. JAPAN, TOKYO),V.51,NO.541,P.2
74-280,MAY 1972 (JAPANESE)
ACCESSION NUMBER: 0160N

YUAN,F.L.,SLAUGHTER,J.I.,KOERNFR,W.E.,DANIELS,F.
"KINETICS OF THE DECOMPOSITION OF NITRIC OXIDF THE THE
RANGE 700-1800 DEG."
J. PHYS. CHEM., 63(6); 952-6, 1959
ACCESSION NUMBER: 0239N

YUREVA,T.M.,POPOVSKII,V.V.,BORESKOV,G.K.
"CATALYTIC PROPERTIES OF METAL OXIDES OF PERIOD VI OF THF
PERIODIC SYSTEM WITH RESPECT TO OXIDATION REACTIONS"
TRANSLATED FROM KINETIKA I KATALIZ,V. 6,NO. 6,NOV.-DEC. 1965
,P.1041-1045
ACCESSION NUMBER: 0206N

ZANON,D.,SORDELLI,D.
"PRACTICAL SOLUTIONS OF AIR POLLUTION PROBLEMS FROM
CHEMICAL PROCESSES"
CHIM. IND. (MILAN),V.48,NO.2,P.251-261,MAR. 1966 (TRANS. FRO
M ITALIAN)
ACCESSION NUMBER: 0077N

ZAWADZKI,J.,PERLINSKI,G.
"LA DECOMPOSITION DU BIOXYDE D AZOTE PAR LES CATALYSEURS
DE PLATINE"
COMPTES RENDUS, 198; 260, 1934
ACCESSION NUMBER: 0245N

ZIELKF,C.W.,LEBOWITZ,H.E.,STRUCK,R.T.,GORIN,E.
"SULFUR REMOVAL DURING COMBUSTION OF SOLID FUFI S IN A
FLUIDIZED BED OF DOLOMITE"
AMER. CHFM. SOC., DIV. OF FUFI CHEMISTRY, 13(4); 13-29, 1969
ACCESSION NUMBER: 0241N

CATALYTIC NOX
ACCESSION NUMBER BIBLIOGRAPHY
APR 30, 1974

ACCESSION NO.	TITLE
0001N	"THE HETEROGENEOUS DECOMPOSITION OF NITRIC OXIDE ON SUPPORTED CATALYSTS" SHELEF,M.,OTTO,K.,GANDHI,H. ATMOSPHERIC ENVIRONMENT,V. 3,1969,P.107-122
0002N	"THE CONTROL OF AUTOMOTIVE EMISSIONS WITH DUAL BED CATALYST SYSTEMS" BERNSTEIN,L.S.,RAMAN,A.K.,WIGG,F.E. PAPER PRESENTED TO 1971 TECHNICAL SESSION; ENGINES AND EMISS IONS,CENTRAL STATES SECTION,THE COMBUSTION INST.,MAR. 1971
0003N	"EFFECT OF CATALYTIC CONVERTERS ON AUTOMOTIVE AMMONIA EMISSIONS" HUNTER,J.E. PAPER PRESENTED AT CENTRAL STATES SECTION,COMBUSTION INSTITU TE,ANN ARBOR,MICH.,MAR. 1971,GMR-1061,12P.
0004N	"CATALYTIC REDUCTION OF NITROGEN DIOXIDE WITH HYDROGEN" AYEN,R.J.,AMIRNAZMI,A. A.I.CH.E. CLEVELAND MEETING,MAY 1969,30P.
0005N	"CONTROL OF NOX EMISSIONS FROM STATIONARY SOURCES" BARTOK,W.,CRAWFORD,W.,SKOPP,A. CHEMICAL ENGINEERING PROGRESS,V.67,NO.2,FEB. 1971,P.64-72
0006N	"STATUS OF NOX CONTROL FROM COMBUSTION SOURCES" CRYNES,B.L.,MADDOX,R.N. CHEMICAL TECHNOLOGY,AUG. 1971,P.502-509

Preceding page blank

ACCESSION NO.	TITLE
0007N	"THE CATALYTIC DECOMPOSITION OF NITRIC OXIDE BY METALLIC OXIDES" WINTER.E.R.S. JOURNAL OF CATALYSTS.V.22.1971.P.158-170
0008N	"THE HETEROGENEOUS DECOMPOSITION OF NITRIC OXIDE WITH OXIDE CATALYSTS" FRASER.J.M..DANIELS.F. JOURNAL OF PHYSICAL CHEMISTRY.V.62.FEB. 1958.P.215-222
0009N	"APPERANCE OF N2O IN THE CATALYTIC REDUCTION OF NO BY CO" SHELEF.M..OTTO.K. JOURNAL OF CATALYSTS.V.10.1968.P.408-413
0010N	"STUDY OF INTERACTION OF AMMONIA WITH NITROGEN OXIDES" GANZ.S.N..VASHKEVICH.A.M. TRANSLATED FROM ZHURNAL PRIKLADNOI KHIMII.V.43.NO.1.JAN. 197 0.P.13-18
0011N	"SELECTIVE CATALYTIC REACTION OF HYDROGEN WITH NITRIC OXIDE IN THE PRESENCE OF OXYGEN" JONES.J.H..ET AL. ENVIRONMENTAL SCIENCE AND TECHNOLOGY.SEP. 1971.P.790-798
0012N	"NITRIC ACID PLANT FUME ABATERS" REED.R.M..HARVIN.R.L. CHEMICAL ENGINEERING PROGRESS.V.68.NO.4.APR. 1972.P.78-79

CATALYTIC NOX
ACCESSION NUMBER BIBLIOGRAPHY
APR 30, 1974

ACCESSION NO.	TITLE
0013N	"AMMONIA INTERMEDIACY AS A BASIS FOR CATALYST SELECTION FOR NITRIC OXIDE REDUCTION" KLIMISCH,R.L.,TAYLOR,K.C. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.7,NO.2,FEB. 1972,P.127-131
0014N	"CATALYSIS FOR CONTROL OF AUTOMOTIVE EMISSIONS" DWYER,F.G. CATALYSIS REVIEWS,V.6,NO.2,1972,P.261-291
0015N	"CATALYTIC REDUCTION OF WASTE NITROGEN OXIDES" MARKVART,M.,POUR,V. INTERNATIONAL CHEMICAL ENGINEERING,V.8,NO.2,APR. 1968,P.261-267
0016N	"CATALYTIC REDUCTION OF NITRIC OXIDE WITH CARBON MONOXIDE" BAUERLE,G.L.,SERVICE,G.R.,NOBE,K. I AND EC PRODUCT RESEARCH AND DEVELOPMENT,V.11,NO.1,MAR. 1972,P.54-58
0017N	"AMMON FORMATION IN CATALYTIC REDUCTION OF NITRIC OXIDE BY MOLECULAR HYDROGEN" SHELEF,M.,GANDHI,H.S. IND. ENG. CHEM. PROD. RES. DEVELOP.,V.11,NO.1,MAR. 1972,P.2-11
0018N	"PROCESS FOR REMOVING NITRIC OXIDE FROM GASEOUS MIXTURES" BAUM,W.H.,GRIST,J.G.,NAGLE,F.V. U.S. PATENT 3,428,414,FEB. 18,1969,6P.

ACCESSION NO.	TITLE
0019N	"PREREDUCED CUPRIC OXIDE-COBALTIC OXIDE REDOX CATALYSTS" BAKER,R.A.,DOERR,R.C. U.S. PATENT 3,398,101,AUG. 20,1968,8P.
0020N	"REDUCTION OF NITRIC OXIDE WITH ETHYLENE ON COPPER-SILICA CATALYST" SOTOODEHNIA-KORRANI,A.,NOBE,K. IND. ENG. CHEM. PROCESS DES. DEVELOP.,V.9,NO.3,JULY 1970,P.455-459
0024N	"CATALYTIC DECOMPOSITION OF NITRIC OXIDE PRESENT IN LOW CONCENTRATIONS" SOURIRAJAN,S.,BLUMENTHAL,J.L. PROC. 2ND INT. CONGRESS CATALYSIS,PAPER 131,PARIS,1960
0025N	"TUNGSTEN BRONZES AND MIXED COBALT OXIDES AS POTENTIAL CATALYSTS FOR POLLUTION CONTROL" BAUERLE,G.L.,THOMAS,N.T.,NOBE,K. CHEMICAL ENGINEERING JOURNAL,V.4,1972,P.199-200
0026N	"NITRIC OXIDE REDUCTION WITH CO AND C3 HYDROCARBON OXIDATION ON CU-AL2O3-EFFECT OF LEAD" SORENSEN,L.L.C.,NOBE,K. I AND EC PRODUCT RESEARCH AND DEVELOPMENT,V.11,NO.4,DEC. 1972,P.423-425
0027N	"CATALYTIC REDUCTION OF NITROGEN DIOXIDE BY CARBON MONOXIDE" AYEN,R.J.,YONEBAYASHI,T. ATMOSPHERIC ENVIRONMENT,V.1,1967,P.307-318

CATALYTIC NOX
ACCESSION NUMBER BIBLIOGRAPHY
APR 30, 1974

ACCESSION NO.	TITLE
0028N	"CATALYZED NITRIC OXIDE REDUCTION WITH CARBON MONOXIDE" BAKER,R.A.,DOERR,R.C. I AND EC PROCESS DESIGN AND DEVELOPMENT,V.4,NO.2,APR. 1965,P.188-190
0029N	"CATALYTIC REDUCTION OF NITRIC OXIDE" AYEN,R.J.,PETERS,M.S. I AND EC PROCESS DESIGN AND DEVELOPMENT,V.1,NO.3,JULY 1962,P.204-207
0030N	"STUDIES ON A NEW METHOD OF SIMULTANEOUSLY REMOVING SULFUR DIOXIDE AND OXIDES OF NITROGEN FROM COMBUSTION GASES" RYASON,P.R.,HARKINS,J. JOURNAL OF THE AIR POLLUTION CONTROL ASSOCIATION,V.17,NO.12, DEC. 1967,P.796-799
0031N	"CATALYST FOR COMPLETE REMOVAL OF OXIDES OF NITROGEN FROM AUTOMOBILE EXHAUST" KOSHIRO,I.,ET AL. SEIDEI DAIGAKU KOGAKUBU KAGAKU HOKOKU,V.7,1969,P.545-546(JAPAN)
0032N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM EXHAUST GASES OF NITRIC ACID PLANTS" VAN DER DRIFT,J. CHEM. TECH,V24,NO.10,1969,P.301-305(NETH.)
0033N	"INCREASING RELIABILITY OF PLATINUM CATALYST SYSTEMS" MATTHEY BISHOP INC. AUTOMOTIVE ENGINEERING,V.80,NO.12,DEC. 1972,P.11

ACCESSION NO.	TITLE
0034N	"EMISSION CONTROL DEVICE TAKES LEADED FUELS IN STRIDE" QUESTOR CORP. PRODUCT ENGINEERING,JAN. 1973,P.9-10
0035N	"CATALYTIC REDUCTION OF NITROGEN OXIDES IN AUTOMOBILE EXHAUST" BAKER,R.A.,DOERR,R.C. JOURNAL OF AIR POLLUTION CONTROL ASSOCIATION,V.14,NO.10,OCT. 1964,P.409-414
0036N	"CATALYTIC PURIFICATION OF TAIL GAS" GILLESPIE,G.R.,BOYUM,A.A.,COLLINS,M.F. CHEMICAL ENGINEERING PROGRESS,V.68,NO.4,APR. 1972,P.72-77
0037N	"NOX CONTROL FROM STATIONARY SOURCES" HALL,H.J.,BARTOK,W. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.5,NO.4.APR. 1971,P.320-326
0038N	"SELECTIVE REMOVAL OF OXIDES OF NITROGEN FROM GAS MIXTURES CONTAINING OXYGEN" NONNENMACHER,H.,KARTTE,K. U.S. PATENT 3,279,384,OCT. 18,1966,4P.
0039N	"PROCESS FOR CATALYTICALLY REDUCING NITROGEN OXIDES IN INDUSTRIAL STACK GASES" CHILDERS,E.,ELLIS,C.W.,RYAN,D.J. U.S. PATENT 2,910,343,OCT. 27,1959,7P.

ACCESSION NO.	TITLE
0040N	"MATHEMATICAL DESCRIPTION OF A REACTOR FOR THE CATALYTIC CLEANING OF WASTE GASES FROM THE PRODUCTION OF WEAK NITRIC ACID AT 7.3 ATMOSPHERES" KHOKHEL,O.A.,ET AL. KHIM. PROM. (MOSCOW),V.45,NO.10,1969,P.752-754(RUSS.)
0041N	"EFFICIENT AND ECONOMICAL DECOMPOSITION OF OXIDES OF NITROGEN" HARRIS,S.W.,MORELLO,F.F.,PETERS,G.H. U.S. PATENT 3,459,494,AUG. 5,1969,2P.
0042N	"KINETICS OF THE CONTACT INTERACTION OF AMMONIA WITH NITRIC OXIDE AND OXYGEN" KULISH,O.N.,ZASORIN,A.P.,ATROSHCHENKO,A.V. IZV. VYSSH. UCHEB. ZAVED.,KHIM. KHIM. TEKHNOL.,V.15,NO.6,1972,P.955-957(RUSS.)
0043N	"CATALYST FOR NITROGEN OXIDE REDUCTION" KLIMISCH,R.L. U.S. PATENT 3,674,423,JULY 4,1972,2P.
0044N	"NOVEL CATALYSTS AND CATALYST SUPPORTS FOR CONTROL OF NITROGEN OXIDES IN AUTOMOBILE" BALGORD,W.D.,WANG,K.K. PROCEEDINGS OF 2ND INTERNATIONAL CLEAN AIR CONGRESS,1970,P.818-826
0045N	"NITROGEN OXIDE: FORMATION, SUPPRESSION, AND CATALYTIC REDUCTION" MEGUERIAN,G.H. WATER AIR CONSERV. PETROL. IND.,1971,P.21-21

ACCESSION NO.	TITLE
0047N	"COMPARATIVE EMISSIONS OF POLLUTANTS DURING COMBUSTION OF NATURAL GAS AND COAL IN FLUIDIZED BEDS" JARRY,R.L.,ANASTASIA,L.J.,CARLS,E.L.,JONKE,A.A. AIR POLLUTION CONTROL OFFICE,1972,AP-109,I-5,13PP.
0048N	"INTERACTION OF NITRIC OXIDE, NITROGEN, AND OXYGEN WITH RHENIUM" TAMURA,T.,HAMAMURA,T. MEM. FAC. IND. ARTTS,KYOTO TECH. UNIV.,SCI. TECHNOL.,1971,V.20,P.55-70(ENG.)
0049N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,ET AL. PROC.,DEV. REFINING,AMERICAN PETROLEUM INST.,1972,V.52,P.740-760
0050N	"FORD DURABILITY EXPERIENCE ON LOW EMISSION CONCEPT VECHICLES" CAMPAU,R.M.,STEFAN,A.,HANCOCK,E.E. PROC.,DIV. REFINING,AMERICAN PETROLEUM INST.,1972,V.52,P.761-788
0051N	"CATALYSTS FOR THE INTERACTION OF NITROGEN OXIDES WITH AMMONIA STUDIED TO PURIFY WASTE GASES FROM NITRIC ACID PRODUCTION" ATROSHCHENKO,V.I.,ZASOKIN,A.P.,KULISH,O.N. KATAL. KATAL.,1972,NO.9,P.26-30(RUSS.)

ACCESSION NO.	TITLE
0052N	"ENGINE EXHAUST EMISSION CONTROL SYSTEM" TOURTELOTTE,J.F.,NEGRA,J.A.,ET AL. U.S. PATENT 3,699,683,OCT. 24,1972,3P.
0053N	"CATALYST FOR OXIDATION OF AMMONIA" VOSOLSOBE,J.,ET AL. GER. OFFEN. 2,216,328,OCT. 12,1972,9P.
0054N	"CATALYST FOR TREATING EXHAUST GAS FROM INTERNAL COMBUSTION ENGINES" NEGRA,J.S.,WARSHAW,A. U.S. PATENT 3,701,822,OCT. 31,1972,3P.
0055N	"CATALYSTS FOR REMOVAL OF SMOG-FORMING COMPONENTS FROM EXHAUST GASES" CLIFFORD,A.F.,JAFFE,J. U.S. PATENT 3,407,030,OCT. 22,1968,8P.
0057N	"PROCESS FOR CATALYTICALLY TREATING EXHAUST GASES" ROTH,J.F. U.S. PATENT 3,493,325,FEB. 3,1970,9P.
0058N	"METHOD OF DECOMPOSING NITROGEN OXIDES" STEPHENS,R.E. U.S. PATENT 3,545,917,DEC. 8,1970,6P.
0059N	"CATALYST COMPOSITION" STEPHENS,R.E. U.S. PATENT 3,524,721,AUG. 18,1970,6P.

ACCESSION NO.	TITLE
0060N	"CATALYTIC CONVERSION OF EXHAUST GAS IMPURITIES" KEARBY,K.K. U.S. PATENT 3,565,574,FEB. 23,1971,8P.
0061N	"PROCESS FOR REMOVING NITROGEN WITH COBALT-RARE EARTH AND GROUP VI CATALYST" KOVACH,S.M.,ROGERS,E.S. U.S. PATENT 3,345,286,OCT. 3,1967,8P.
0062N	"CATALYST FOR PURIFICATION OF EXHAUST GASES FROM MOTOR VEHICLES AND INDUSTRIAL PLANTS" KOBERSTEIN,E.,LAKATOS,E. U.S. PATENT 3,669,906,JUNE 13,1972,8P.
0063N	"METHOD OF DECOMPOSING NITROGEN OXIDES" STEPHENS,R.E. U.S. PATENT 3,552,913,JAN. 5,1971,4P.
0064N	"METHOD OF TREATING EXHAUST GASES OF INTERNAL COMBUSTION ENGINES" GROSS,G.P.,ET AL. U.S. PATENT 3,370,914,FEB. 27,1968,27P.
0066N	"SELECTIVE REDUCTION OF NITROGEN OXIDES WITH AMMONIA" MARKVART,M.POUR,V. CHEM. PRUMYSL (PRAGUE),V.19,NO.1,P.8-12,1969 (CZECH.)
0067N	"THE CATALYTIC NITRIC OXIDE REDUCTION AND AMMONIA OXIDATION (IV)" ADRUSSOW,L. CHEM. BER.,V.60,P.536-540,1927 (GERMAN)

ACCESSION NO.	TITLE
0068N	"A STUDY OF THE REACTION BETWEEN NITRIC OXIDE AND HYDROGEN SULPHIDE" PIERCE,J.A. JOURNAL OF PHYSICAL CHEMISTRY,V.33,NO.1,P.22-36,JAN. 1929
0069N	"CATALYTIC DECOMPOSITION OF NITROGEN DIOXIDE" NOBE,K.,WIKSTROM,L.L. PREPRINT,AM. CHEM. SOC.,PITTSBURGH,DOV. WATER,AIR WASTE CHEM.,P.268-273,1963
0070N	"SORPTION AND REACTIVITY OF NITROUS OXIDE AND NITRIC OXIDE IN CRYSTALLINE AND AMORPHOUS SILICEOUS SORBENTS" ADDISON,W.E.,BARRER,R.M. JOURNAL OF CHEM. SOC.,PT. 1,P.757-769,1955
0071N	"A NEW FAMILY OF CATALYSTS FOR NITRIC ACID TAIL GASES" ANDERSEN,H.C.,ROMEO,P.L.,GREEN,W.J. NITROGEN,NO. 50,P.33-36,NOV./DEC. 1967
0072N	"KINETICS OF CATALYTIC DECOMPOSITION OF NITRIC OXIDE" HARDING,J.W. UNIV. MICROFILMS INC.,1969,76P.
0073N	"METHOD OF REMOVING NITROGEN OXIDES FROM GASES" CHILDERS,E.,ELLIS,C.W.,RYAN,D.J. U.S. PATENT 3,125,408,MAR. 17,1964
0074N	"METHOD OF REMOVING NITROGEN OXIDES FROM GASES" COHN,J.G.E. U.S. PATENT 3,118,727,JAN. 21,1964,4P.

ACCESSION NO.	TITLE
0075N	"AIR POLLUTION BY TOXIC GAS AND ITS COUNTER MEASURE" YAMATE,N. J. JAPAN AIR CLEANING ASSOC.,TOKYO,V.3,NO.2,P.19-25,1965 (JA PAN)
0076N	"SYSTEM DESIGNS FOR THE CATALYTIC DECOMPOSITION OF NITROGEN OXIDES" DONAHUE,J.L. JOURNAL OF AIR POLLUTION CONTROL ASSOC.,V.8,NO.3,P.209-212,2 22,NOV. 1958
0077N	"PRACTICAL SOLUTIONS OF AIR POLLUTION PROBLEMS FROM CHEMICAL PROCESSES" ZANON,D.,SORDELLI,D. CHIM. IND. (MILAN),V.48,NO.2,P.251-261,MAR. 1966 (TRANS. FRO M ITALIAN)
0078N	"A SOLID CHEMICAL AIR GENERATOR" PETERS,G.H.,AKER,J.F.,MORELLO,E.F. AMOCO CHEMICALS CORP.,SEYMOUR,IND.,PROPELLANTS DEV.,REPT. NO . AMRL-TDR-64-71,DSEPT. 1964,55P.
0079N	"EMISSIONS AND ABATEMENT OF OXIDES OF NITROGEN IN NITRIC ACID MANUFACTURE" TESKE,W. CHEMICAL ENGINEERING,NO. 221,CE263-266,SEPT. 1968
0080N	"CATALYTIC COMBUSTION OF ATMOSPHERIC CONTAMINANTS OVER HOPCALITE" CHRISTIAN,J.G.,JOHNSON,J.E. INTERNATIONAL JOURNAL AIR WATER POLLUTION 9, (1/2) 1-10,FEB. 1965

ACCESSION NO.	TITLE
0081N	"CATALYTIC DECOMPOSITION OF NITRIC OXIDE" SAKAIDA.R.R..RINDER.R.G..WANG.U.L..CORCORAN.W.J. JOURNAL OF AMER. INST. OF CHEM. ENG..V.7.NO.4.P.658-663.DEC. 1961
0082N	"CATALYTIC AFTERBURNING OF ORGANIC AIR POLLUTANTS" BETZ.E.C..FEIST.H.J. TECHNIK (BERLIN).V.20.NO.6.P.395-400.JUNE 1965 (GERMAN TR.)
0083N	"THE CATALYTIC REDUCTION OF NITROUS GASES DURING THE MANUFACTURE OF NITRIC ACID" FEIST.J. PROCEEDINGS.INTERNATIONAL CLEAN AIR CONGRESS.LONDON.PT. I.19 66.PAPER VI/15.P.199-202
0084N	"PLATINUM CATALYSTS AND AIR POLLUTION CONTROL" HUNTER.J.B. S. AFRICAN MINING ENG. J..1968.P.438-440.FEB. 23.1968
0085N	"CATALYTIC OXIDATION OF NITRIC OXIDE; PT. 1" KURIN.N.P..BLOKH.I.U. ZH. PRIKL. KHIM..V.11.NO.5.P.734-749.1938 (RUSSIAN)
0086N	"CATALYST SYSTEM MORPHOLOGY AND DESIGN" DWYER.F.G. PROCEEDINGS.FIRST NATL. SYMP. ON HETEROGENEOUS CATALYSIS FOR CONTROL OF AIR POLLUTION.PHILADELPHIA.NOV. 1968.P.73-86

ACCESSION NO.	TITLE
0087N	"PURIFICATION OF NITROGEN OF EXHAUST GAS IN THE PRODUCTION OF WEAK NITRIC ACID FOR THE SYNTHESIS OF AMMONIA" NABIYEW,M.K.,ET AL. DOKL. AKAD. NAUK UZ. SSR,V.20,NO.11,P.17-20,1963 (RUSSIAN)
0088N	"THE DECOMPOSITION OF NITROUS OXIDE ON THE RARE EARTH SESQUIOXIDES AND RELATED OXIDES" WINTER,E.R.S. JOURNAL OF CATALYSIS,V.15,NO.2,P.144-152,1969
0089N	"THE KINETICS OF THE REACTION BETWEEN AMMONIA AND NITRIC OXIDE ON THE SURFACE OF A PLATINUM FILAMENT" MICHAILOVA,E.A. ACTA PHYSICOCHIM. USSR,V.10,NO.5,P.653-676,1939
0090N	"METHOD FOR REMOVING NITROGEN OXIDES FROM GASES THROUGH CATALYTIC REDUCTION OF THESE SUBSTANCES TO NITROGEN" SCHMIDT,K. WEST GERMAN PATENT 1,259,298,JAN. 25,1968,2P. (GERMAN)
0091N	"CLEANING OF INDUSTRIAL GASES WITH PRECIOUS METAL CATALYSTS" ANDERSEN,H.C. DECHEMA MONOGRAPH.,V.40,P.325-333,1962 (GERMAN)
0093N	"CATALYTIC REDUCTION OF NITRIC OXIDE" SHELEF,M. PROC.,FIRST NATL. SYMP. ON HETEROGENEOUS CATALYSIS FOR CONTROL OF AIR POLLUTION,PHILADELPHIA,NOV. 1968,P.87-112

ACCESSION NO.	TITLE
0095N	"NITROGEN OXIDES FROM STATIONARY COMBUSTION FURNACE" OHYA,M. SANGYO KOGAI,V.5,NO.8,P.448-456,AUG. 25,1969 (JAPANESE)
0096N	"REMOVAL OF NITRIC OXIDE FROM COKE-OVEN GAS" KIPOT,N.S.,BRODOVICH,A.I.,FILIPPOV,B.S. COKE CHEM. (USSR) (ENGLISH TRANS. FROM RUSSIAN OF KOKS I KHIM.),NO.3,P.38-43,1969
0097N	"NATURAL-GAS CATALYTIC REDUCTION OF NITRIC OXIDE TAIL GASES FROM NITRIC ACID PRODUCTION" TIKHONENKO,A.D.,NABIEV,M.N. UZBESK. KHIM. ZH.,V.11,NO.4,P.6-9,1967 (RUSSIAN)
0098N	"CHEMOSORPTION OF MIXTURES ONTO NIO." POGINSKIY,S.Z.,RUFOV,Y.N. KINETIKA I KATALIZ,V.7,NO.1,P.136-143,1966 (RUSSIAN)
0099N	"ELIMINATION OF NITROUS GAS EMISSION BY CATALYTIC REDUCTION" JEITNER,O.,KONIG,K. CHEM. TECH. (BERLIN),V.19,NO.3,P.166-169,MAR. 1967 (GERMAN)
0100N	"CATALYTIC DECOMPOSITION OF N2O AND OXYGEN DESORPTION SPECTRA ON NIO" GAY,I.D. JOURNAL OF CATALYSIS,V.17,NO.2,P.245-251,MAY 1970
0101N	"CATALYTIC PURIFICATION TREATMENT OF EXHAUST GAS" KEARBY,K.K.,LAND,R.J. U.S. PATENT 3,476,508,NOV. 4,1969,4P.

ACCESSION NO.	TITLE
0102N	"PLATINUM CATALYSTS FOR THE CONTROL OF AIR POLLUTION; A TAIL GAS REDUCTION SYSTEM FOR NITRIC ACID PLANTS" HUNTER,J.B. PLATINUM METALS REV.,V. 9-12,P.2-6,1965-1968
0103N	"CATALYTIC DECOMPOSITION OF NO IN FLUE GAS (FINAL REPT.)" NUZUM,H.K.,WALLING,J.F. BATTELLE MEMORIAL INST.,COLUMBUS,OHIO,GRANT 5 R01 AP00577,41 P.,MAY 31,1969
0104N	"THE ADSORPTION OF NITRIC OXIDE ON IRON OXIDES" OTTO,K.,SHELEF,M. JOURNAL OF CATALYSIS,V.18,NO.2,P.184-192,AUG. 1970
0106N	"CATALYTIC HYDROGENATION OF ACETYLENE AND NITROGEN OXIDES IN COKE GAS" SLUGOCKI,E. PRZEMYSL CHEM.,V.48,NO.2,P.85-87,FEB. 1969 (POLISH)
0107N	"PROCESS FOR REDUCING NITRIC OXIDE TO NITROUS OXIDE" SLAUGH,L.H. U.S. PATENT 3,321,274,MAY 23,1967,2P.
0108N	"CONTROL OF NITROGEN OXIDE EMISSIONS FROM STATIONARY COMBUSTION SOURCES" BARTOK,W.,CRAWFORD,A.R.,SKOPP,A. COMBUSTION,V.42,NO.4,P.37-40,OCT. 1970

ACCESSION NO.	TITLE
0110N	"TECHNIQUES FOR CONTROLLING THE OXIDES OF NITROGEN" HARDISON,L.C. JOURNAL AIR POLLUTION CONTROL ASSOC.,V.20,NO.6,P.377-382,JUN E 1970
0111N	"STUDIES OF SURFACE REACTIONS OF NO BY ISOTPE LABELING; III. THE EXCHANGE OF OXYGEN BETWEEN NO AND THE SURFACE OF IRON OXIDE" OTTO,K.,SHELEF,M.,KUMMER,J.T. Z. PHYSIK. CHEM. NEUE FOLGE (FRANKFURT),V.72 NO. 4-6,P.316-3 29,1970
0112N	"UTILIZATION OF CATALYST IN AIR POLLUTION CONTROL" YAMANAKA,T. KAGAKU KOGYO (TOKYO),V.22,NO.3,P.102-108,MAR. 1971
0113N	"CATALYTIC REDUCTION OF NITRIC OXIDE WITH VARIOUS HYDROCARBONS" AULT,J.W.,AYEN,R.J. JOURNAL OF AM. INST. CHEM. ENGRS.,V.17,NO.2,P.265-271,MAR. 1 971
0114N	"STUDIES OF SURFACE REACTIONS OF NO BY ISOTOPE LABELING; II. DEUTERIUM KINETIC ISOTOPE EFFECT IN THE AMMONIA-NITRIC OXIDE REACTION OF A SUPPORTED PLATINUM CATALYST" OTTO,K.,SHELEF,M.,KUMMER,J.T. JOURNAL OF PHYSICAL CHEMISTRY,V.75,NO.7,P.875-879,APR. 1971

ACCESSION NO.	TITLE
0115N	"DESIGN, CONSTRUCTION AND TESTING OF CATALYTIC AFTERBURNERS FOR REMOVAL OF AIR POLLUTANTS FORMED IN AUTOMOTIVE AND STATIONARY COMBUSTION PROCESSES" BAUERLE,G.L.,NOBE,K. IN PROJECT CLEAN AIR,V.1,U.C.L.A. SCHOOL OF ENGINEERING,RESE ARCH PROJ. S-2,46P.,SEP. 1,1970
0116N	"AUTOMOBILE ENGINE DEVELOPMENT; TASK FORCE ASSESSMENT" CARETTO,L.S.,MCELROY,M.W.,NELSON,J.L.,VENTURINI,P.D. IN; PROJECT CLEAN AIR,CALIF. UNIV.,BERKELEY,DEPT. OF MECHANI CAL ENG.,TASK FORCE 1,V. 1,68P.,SEP. 1,1970
0117N	"BENCH SCALE INVESTIGATION OF INCRA CATALYST FOR THE TREATMENT OF NITRIC ACID MANUFACTURING PLANT ATMOSPHERIC EMI CHEMICAL CONSTRUCTION CORP. CHEMICAL CONSTRUCTION CORP.,NEW YORK,CONSULTING DIV.,FINAL R EPT. 0053C,87P.,MAR. 1969
0118N	"PROCESS FOR THE OXIDATION OF NITRIC OXIDE" ANDERSEN,H.C.,HALEY,A.J. U.S. PATENT 3,079,232,FEB. 26,1963,4P.
0119N	"UTILIZATION OF CATALYST IN AIR POLLUTION CONTROL (3)" YAMANAKA,T. KAGAKU KOGYO (TOKYO),V.22,NO.4,P.534-539,APR. 1971 (JAPANESE)
0120N	"THE CHEMISORPTION OF NITRIC OXIDE AND NITROGEN ON RHENIUM" TAMURA,T. BULL. CHEM. SOC. JAPAN (TOKYO),V.44,NO.3,P.590-595,MAR. 1971

ACCESSION NO.	TITLE
0121N	"CATALYSTS FOR PURIFICATION OF AUTOMOBILE EXHAUST GAS; (II),CONTACT REDUCTION BY CO AND C3H8 OF NO" NAKAJIMA,F.,TAKEUCHI,M. PREPRINT, JAPAN CHEMICAL SOCIETY,TOLYO,1P.,1971 (JAPANESE)
0122N	"ON REMOVAL OF NO GAS GENERATED IN MEDIUM AND SMALL SIZE CHEMICAL FACTORIES" OYA.S.,OYA.N. PREPRINT, SAFETY ENGINEERING SOCIETY OF JAPAN. TOLYO,4P.,197 0 (JAPANESE)
0123N	"NITROGEN OXIDE POLLUTION; NITRIC ACID PLANT POLLUTANTS" NEWMAN,D.J. CHEMICAL ENGINEERING PROGRESS,V.67,NO.2,P.79-84,FEB. 1971
0124N	"CONTROL OF NITROGEN OXIDE EMISSIONS FROM NITRIC ACID MANUFACTURING PROCESSES" GERSTLE,R.W.,PETERSON,R.F. AIR ENGINEERING,V.9,NO.4,P.24-28,APR. 1967
0125N	"METHOD TO MANUFACTURE VAPOR-PHASE OXIDATION CATALYST FOR SULFUROUS ACID GAS" NINOMIYA,N.,ICHIKAWA,H.,NISHINO,H. JAPAN. PATENT SHO 46-7571,FEB. 25,1971,2P.
0126N	"CATALYTIC CONTROL OF AUTOMOBILE EXHAUST EMISSIONS" YOLLES,R.S.,WISE,H. CRC CRITICAL REV. ENVIRONMENTAL CONTROL,V.2,NO.1,P.125-146,A PR. 1971

ACCESSION NO.	TITLE
0127N	"CONTACT TYPE REMOVAL METHOD FOR NO CONTAINED IN GAS MANUFACTURED FROM COAL, COKE, OR OIL" TAKETO,O.,ABE,T.,TOYAMA,A.,HASEBA,S. JAPAN. PATENT SHO 46-18383,MAY 22,1971,4P. (JAPANESE)
0128N	"CATALYTIC REDUCTION OF NITRIC OXIDE WITH PROPYLENE" CHIEN,M.W.,NOBE,K. PREPRINT, AMERICAN CHEMICAL SOCIETY,WASHINGTON.DIV. OF WATER ,AIR,AND WASTE CHEMISTRY,5P.,1971
0129N	"THE EFFECT OF LEAD ON THE CATALYTIC REDUCTION OF NITRIC OXIDE WITH CARBON MONOXIDE ON CU-AL203" SORENSEN,L.,L.,NOBE,K. PREPRINT, AMERICAN CHEMICAL SOCIETY,WASHINGTON.DIV. OF WATER ,AIR,AND WASTE CHEMISTRY,5P.,1971
0130N	"CATALYTIC MECHANISMS FOR NITROGEN OXIDES REDUCTION (FINAL REPT.)" PETERS,M.S. COLORADO UNIV.,BOULDER,ENGINEERING RESEARCH CENTER,GRANT ORG /NAPCA AP 00388,15P.,MAR. 1,1971
0131N	"FILTER FOR ELIMINATING HARMFUL GAS" KANBE,R. PREPRINT, REUTILIZATION OF RESOURCES TECHNICAL ASSOC. (JAPAN),6P.,1971 (JAPANESE)
0132N	"CATALYTIC REDUCTION OF OXIDES OF NITROGEN (FINAL REPT.)" PETERSEN,E.E.,BELL,A.T. UNIV. OF CALIF.,BERKELEY,DEPT. OF CHEMICAL ENGINEERING,GRANT AP-00387,6P.,1970

CATALYTIC NOX
ACCESSION NUMBER BIBLIOGRAPHY
APR 30, 1974

ACCESSION NO.	TITLE
0133N	"APPLICATION OF CATALYSTS TO AUTOMOTIVE NOX EMISSIONS CONTROL" BERNSTIEN,L.S.,KEARBY,K.K.,RAMAN,A.K.S.,VARDI,J.,WIGG,F.F. PRESENTED AT THE AUTOMOTIVE ENGINEERING CONGRESS,DETROIT,JAN. 11-15,1971,PAPER 710014,17P.
0134N	"THE BEHAVIOR OF NITRIC OXIDE IN HETEROGENEOUS CATALYTIC REACTIONS" SHELEF,M.,KUMMER,J.T. CHEMICAL ENGINEERING PROGRESS SYMP. SERIES,V.67,NO.115,P.74-92,1971
0135N	"METHOD OF REMOVING NITROGEN OXIDES FORM GASES" KANDELL,P.,NEMES,G. U.S. PATENT 3,567,367,MAR. 2,1971,3P.
0136N	"EXHAUST GAS PURIFICATION" JONES,J.H.,WEAVER,F.F. U.S. PATENT 3,599,427,AUG. 17,1971,6P.
0137N	"CATALYSTS FOR PURIFICATION OF WASTE GASES CONTAINING OXIDES OF NITROGEN" HINDIN,S.G.,DETTLING,J.C. U.S. PATENT 3,615,166,OCT. 26,1971,5P.
0138N	"REMOVAL OF SULFUR DIOXIDE FROM WASTE GASES BY REDUCTION TO ELEMENTAL SULFUR (FINAL REPORT)" TORO,R.F.,MAGDER,J.,GODING,A.T. PRINCETON CHEMICAL RESEARCH INC.,N.J.,295P.,JULY 30,1969

ACCESSION NO.	TITLE
0139N	"DRY TYPE SMOKE DESULFURIZATION TECHNIQUE USING METAL OXIDE CATALYST" INAGAKI,K. KOGAI (HAKUA SHOBO),V.7,NO.1,P.21-26,JAN. 1972 (JAPANESE)
0140N	"CATALYTIC CONTROL OF NOX EMISSIONS FROM MOBILE SOURCES (FINAL REPORT)" SEEGALL,M.I.,NAPIER,J.C.,COMPTON,W.A. INTERNATIONAL HARVESTER CO.,SAN DIEGO,CA.,RESEARCH LABS.,REPT. RDR 1700,143P.,DEC. 1971
0141N	"CATALYTIC DECOMPOSITION OF NITROGEN DIOXIDE ON A HEATED PLATINUM WIRE" ONG,B.G.,MASON,D.M. INDUSTRIAL ENGINEERING CHEMISTRY FUNDAMENTALS,V.11,NO.2,P.169-174,MAY 1972
0142N	"A LOW TEMPERATURE CATALYTIC APPROACH TO NOX CONTROL" LAWSON,A. JOURNAL OF CATALYSIS,V.24,NO.2,P.297-305,FEB. 1972
0143N	"THE ADSORPTION OF NITRIC OXIDE AND CARBON MONOXIDE IN NICKEL OXIDE" GANDHI,H.S.,SHELEF,M. JOURNAL OF CATALYSIS,V.24,NO.2,P.241-249,FEB. 1972
0144N	"CONTROL OF NITROGEN OXIDE EMISSIONS FROM COMBUSTION SOURCES; PT. I, STATIONARY COMBUSTION SOURCES" SOLOOJO,K.C. JOURNAL OF FUEL HEAT TECHNOLOGY,V.18,NO.1,P.2-6,JAN. 1972

ACCESSION NO.	TITLE
0145N	"AUTOMOTIVE EXHAUST GAS PURIFICATION CATALYST" TODO,M. SEKIYU TO SEKIYU KAGAKU (PETROL. PETROCHEM.),V.15,NO.7,P.103-108,1971 (JAPANESE)
0146N	"EPR STUDY OF CHANGES OF COORDINATION STATE OF TETRAVALENT VANADIUM IONS ON A VANADIUM CATALYST SURFACE UPON ADSORPTION OF NH3, SO2,N2O,AND N2" VOROTYNTSEV,V.M.,SHVETS,V.A.,KAZANSKIY,V.B. KENETIKI I KATALIZ,V.12,NO.3,P.678-684,1971 (RUSSIAN)
0147N	"THE CATALYTIC DECOMPOSITION OF NITROUS OXIDE ON TITANIUM DIOXIDE; ANATASE AND RUTILE" ONISHI,Y. BULL. CHEM. SOC. JAPAN (TOKYO),V.45,NO.3,P.922-923,MAR. 1972
0148N	"CHEMISTRY OF CATALYTIC NITROGEN OXIDE REDUCTION IN AUTOMOTIVE EXHAUST GAS" KLIMISCH,R.L.,BARNES,G.J. ENVIRONMENTAL SCIENCE AND TECHNOLOGY,V.6,NO.6,P.543-548,JUNE 1972
0149N	"INVESTIGATION ON CATALYTIC REDUCTION OF EXIT NITRIC OXIDES BY AMMONIA" GAJEWSKI,A.,KUPIEK,S.,ZYGADLO,J. PRZEMYSL CHEM.,V.51,NO.1,P.44-46,1971 (POLISH)
0150N	"THE CATALYTIC OXIDATION OF AMMONIA INTO NITRIC ACID" NEUMANN,B.,ROSE,H. A. ANGEW. CHEM (WEINHEIM),V.1,P.45-48,51-55,FEB. 24,1920 (TRANS. FROM GERMAN)

ACCESSION NO.	TITLE
0151N	"APPLICATION OF A MONEL-PLATINUM DUAL-CATALYST SYSTEM TO AUTOMOTIVE EMISSION CONTROL" LUNT,R.S.,BERNSTEIN,L.S.,HANSEL,J.G.,HOLT,E.L. PREPRINT, SOCIETY OF AUTOMOTIVE ENGINEERS,INC.,NEW YORK,16P.,1972
0152N	"REDUCTION SPEED (BY CARBON MONOXIDE AND HYDROCARBONS) OF NITROGEN OXIDES; EXAMINATIONS USING COPPER COPRECIPITATION CATALYSTS" KASAOKA,T.,TSUMAKI,N.,KITAMURA,J. PREPRINT, JAPAN SOCIETY OF CHEMICAL ENGINEERING,TOKYO,P.74-76,1972 (JAPANESE)
0153N	"THERMAL AND CATALYTIC WASTE GAS CLEANING INCLUDING THE WET NITROGEN OXIDE PROCEDURES" BRAND,H. CHEM. TECH. (BERLIN),V.1,NO.5,P.224-225,MAY 1972 (GERMAN)
0154N	"CATALYTIC REMOVAL OF NOX IN GASES" INOUE,T. NENRYO KYOKAISHI (J. FUEL SOC. JAPAN, TOKYO),V.51,NO.1,P.19-24,JAN. 1972 (JAPANESE)
0155N	"CONTROL TECHNIQUES FOR NITROGEN OXIDE EMISSIONS FROM STATIONARY SOURCES" PUBLIC HEALTH SERVICE PUBLIC HEALTH SERVICE,WASHINGTON D.C.,NAPCA AP-67,113P.,MAR. 1970

ACCESSION NO.	TITLE
0156N	"ACTIVITY OF COBALT IONS DISPERSED IN MAGNESIUM OXIDE FOR THE DECOMPOSITION OF NITROUS OXIDE" CIMINO,A.,PEPE,F. JOURNAL OF CATALYSIS,V.25,NO.3,P.362-377,JUNE 1972
0157N	"RAPID, CONTINUOUS CONVERSION OF NO TO N2 PLUS H2O" ALEI,M. LOS ALAMOS SCIENTIFIC LAB.,N. MEX.,REPT. LA-4904,UC-4,5P.,AP R. 1972
0158N	"INTERACTION OF NITRIC OXIDE WITH GRAPHITE" EDWARDS,H.W. PREPRINT, AMERICAN INST. OF CHEMICAL ENG.,NEW YORK,44P.,1971 ,FROM 64TH MEETING,PAPER 28D
0159N	"THE EFFECT OF GAS TEMPERATURE ON THE RATE OF A HETEROGENEOUS REACTION; A PARASITE EFFECT OCCURRING DURING THE NITROUS OXIDE DECOMPOSITION OVER PLATINUM IN A CLOSED RE KLOSTER,J.P.,LINTZ,H. Z. PHYSIK. CHEM. NEUE FOLGE (FRANKFURT),V.78(3/4),P.215-218, MAY 1972 (GERMAN)
0160N	"THE CONVERSION CATALYSTS OF AUTOMOTIVE EXHAUST GAS" YOSHITOMI,S.,KASHIYAE,M. NENRYO KYOKAISHI (J. FUEL SOC. JAPAN, TOKYO),V.51,NO.541,P.2 74-280,MAY 1972 (JAPANESE)
0161N	"CATALYTIC REDUCTION OF 50 - 5000 PARTS-PER-MILLION NITRIC OXIDE BY CARBON MONOXIDE" FORCE,E.L.,AYEN,R.J. PREPRINT, CALIF. UNIV., BERKELEY,DEPT. OF CHEMICAL ENGIN. AN D STAUFFER CHEMICAL CO.,RICHMOND,CA.,65P.,1972

ACCESSION NO.	TITLE
0162N	"KINETIC STUDIES OF THE N2O-CO REACTION CATALYZED BY CHROMIUM-PROMOTED IRON OXIDE" LEECH,C.A.,PETERS,M.S. PREPRINT, AMERICAN INST. OF CHEMICAL ENGINEERS,NEW YORK,15P.,1971,FROM 64TH MEETING
0163N	"INVESTIGATION OF THE KINETICS OF THE NITRIC OXIDE CATALYTIC REDUCTION BY AMMONIA IN THE PRESENCE OF OXYGEN" ATROSHCHENKO,V.I.,KULISH,O.N.,BYLINKIN,V.N. KHIM. TEKHNOL.,NO. 4,P.60-62,1971 (RUSSIAN)
0164N	"CATALYTIC REDUCTION OF WASTE NITROGEN OXIDES" JAROS,S.,KRIZEK,J. CHEM. PRUMYSL (PRAGUE),17/42(11),P.581-586,1967 (CZECH.)
0165N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM WASTE GASES ON NICKEL CATALYSTS" TIKHONENKO,A.D.,NABIYEV,M.N.,IBRAGIMOV,Y.I. UZBEKSK. KHIM. ZH.,NO. 4,P.6-8,1970 (RUSSIAN)
0166N	"OXIDATION-REDUCTION CATALYSIS" ROTH,J.F.,DOERR,R.C. INDUSTRIAL ENGINEERING CHEMISTRY,V.53,NO.4,P.293-296,APR. 1961
0167N	"THE OXIDATION OF CO BY O2 AND BY NO ON SUPPORTED CHROMIUM OXIDE AND OTHER METAL OXIDE CATALYSTS" SHELEF,M.,OTTO,K.,GANDHI,H. JOURNAL OF CATALYSIS,V.12,NO.4,P.361-375,1968

ACCESSION NO.	TITLE
0168N	"CATALYSIS AND THE CONTROL OF OXIDES OF NITROGEN" ROMEO,P.L. PREPRINT, PUBLIC HEALTH SERVICE, NAPCA, AND MUCOM,28P.,1970
0169N	"THE APPLICATION OF COPPER-SILICA CATALYST FOR THE REMOVAL OF NITROGEN OXIDES PRESENT IN LOW CONCENTRATIONS BY CHEMICAL REDUCTION WITH CARBON MONOXIDE OR HYDROGEN" SOURIRAJAN,S.,BLUMENTHAL,J.L. INTERNATIONAL JOURNAL OF AIR WATER POLLUTION (LONDON),V.5,NO.1,P.24-33,1961
0170N	"REMOVAL OF AMMONIA FROM GAS" MERKEL,H. W. GER. PATENT APPL. 2,026,657,JUNE 1,1970,10P.
0171N	"CATALYTIC PURIFICATION OF COMBUSTION GASES" HISADA,S. GER. PATENT 2,119,897,NOV. 18,1971,11P. (GERMAN)
0172N	"MITSUBISHI STATUS REPORT ON LOW EMISSION CONCEPT VEHICLES" KANEKO,Y.,KIYOTA,Y. S.A.E. SPEC. PUB.,NO.370;1-12,MAY 1972 (PRESENTED AT THE NATIONAL AUTOMOBILE ENGINEERING MEETING,DETROIT,MAY 22-26,1972,
0173N	"FIAT STATUS REPORT ON LOW EMISSION CONCEPT VEHICLES" PULIONE,C. S.A.E. PUB.,NO.370;1-16,MAY 1972 (PRESENTED AT THE NATIONAL AUTOMOBILE ENGINEERING MEETING,DETROIT,MAY 22-26,1972,PAPER

ACCESSION NO.	TITLE
0174N	"CATALYSTS FOR AUTO EXHAUST EMISSION CONTROL" YAMAKI,N.,TSUCHIMOTO,K. UNION OF JAPANESE SCIENTISTS AND ENGINEERS,PROC. INT. SYMP. AIR POLLUT.,TOKYO,JAPAN,1972,P.643-656 (JAPANESE)
0175N	"THE INFLUENCE OF OXYGEN ON THE CATALYTIC REDUCTION OF NITRIC OXIDE BY AMMONIA" MARKVART,M.,POUR,V. J. CATALYSIS,7,P.279-281,1967
0176N	"CATALYTIC REMOVAL OF NITROGEN OXIDES, CARBON MONOXIDE AND HYDROCARBONS FROM COMBUSTION EXHAUST STREAMS" TAYLOR,F.R. FRANKLIN INSTITUTE LABORATORIES,PHILADELPHIA,PA.,1959,18P.
0177N	"AMMONIA FORMATION IN CATALYTIC REDUCTION OF NITRIC OXIDE BY MOLECULAR HYDROGEN" SHELEF,M.,GANDHI,H.S. I AND EC PRODUCT RESEARCH AND DEVELOPMENT,V. 11,DEC. 1972,P. 393-396
0178N	"SYSTEMS STUDY OF NITROGEN OXIDE CONTROL METHODS FOR STATIONARY SOURCES" BARTOK,W.,ET AL. ESSO RESEARCH AND ENGINEERING CO.,FINAL RPT.,V. 2,NO. GR-2-M PS-69,NOV. 20,1969 (PB 192-789)
0179N	"THE CATALYTIC REDUCTION OF NITRIC OXIDE IN AUTOMOBILE EXHAUST GASES - I. TESTS OF IRON-CONTAINING MATERIALS" JENKINS,D.R.,VOISEY,M.A. ATMOSPHERIC ENVIRONMENT,V. 7,1973,P.177-186

ACCESSION NO.	TITLE
0180N	"OXYGEN INHIBITION IN THE DECOMPOSITION OF NO ON METAL OXIDES AND PLATINUM" AMIRNAZMI,A.,BENSON,J.E.,BOUDART,M. JOURNAL OF CATALYSIS,30,1973,P.55-65
0181N	"CATALYTIC REMOVAL OF AMMONIA AND NITROGEN OXIDES FROM SPACECABIN ATMOSPHERES" GULLY,A.J.,ET AL. TEXAS TECH. UNIV.,LUBBOCK,NASA CONTRACT REP-2132,FEB 1973,17 0P.
0182N	"POLLUTION FROM NITRIC ACID PLANTS; PURIFICATION OF TAIL GAS USING PLATINUM CATALYSTS" SEARLES,R.A. PLATINUM MET. REV.,V.17,NO.2,APR. 1973,P.57-63
0183N	"REDUCTION CATALYST FOR NITRIC OXIDE IN EXHAUST AND FLUE GASES" STENZEL,J.,HARNISCH,H.,KNAPSACK,A.G. GER. OFFEN. 2165550 (B 01J),JULY 5,1973,12P.
0184N	"REDUCTION OF NITROGEN OXIDE IN EXHAUST AND WASTE GASES" STENZEL,J.,KNAPSACK,A.G. GER. OFFEN. 2165548 (B 01D),JULY 5,1973,15P.
0185N	"SIMULTANEOUS CATALYTIC REDUCTION OF NITRIC OXIDE AND SULFUR DIOXIDE BY CARBON MONOXIDE" QUINLAN,C.W.,OKAY,V.C.,KITTRELL,J.R. IND. ENG. CHEM. PROCESS DES. DEVELOP.,V. 12,NO.3,1973,P.359-365

Reproduced from best available copy.

ACCESSION NO.	TITLE
0186N	"NO(X) ABATEMENT TECHNOLOGY IN JAPAN" ANDO,J.,TOHATA,H. FACULTY OF SCIENCE AND ENGINEERING REPORT,CHUO UNIV.,KASUGA, BUNKYO-KU,TOKYO,MAY 1973
0187N	"CONTINUOUS CATALYTIC ABSORPTION FOR NO(X) EMISSION CONTROL" MAYLAND,B.J.,HEINZE,R.C. CHEMICAL ENGINEERING PROGRESS V.69,NO.5,MAY 1973,P.75-76
0188N	"REMOVING OXIDES OF NITROGEN PRESENT IN GASES PRODUCED FROM COAL, COKE, OR OILS AS RAW MATERIALS BY A CATALYTIC HYDROGENATION" OHKI,T.,SATOSHI,A.,TOYAMA,A.,HASEBA,S. JAPAN. 73 01801 (C 10K, B 01J, C 01B),JAN. 20,1973,3P.
0189N	"REMOVAL OF NITROGEN OXIDES" ENDO,A.,TAKEYAMA,T.,SHODA,K. JAPAN. 72 50982 (B 01J),DEC. 21,1972,3P.
0190N	"CATALYTIC DECOMPOSITION OF NITROGEN OXIDES" OODAN,K.,SASAYA,H.,YOSHIDA,K.,OTSUKA,H. JAPAN. KOKAI 7355870 (13(7)A11), AUG. 6,1973,4P.
0191N	"AMMONIA FORMATION IN THE NITRIC OXIDE-METHANE REACTION" VARTULI,J.C.,GONZALEZ,R.D. IND. ENG. CHEM. PROD. RES. DEVELOP.,V. 12,NO. 3,1973,P.171-1 75

ACCESSION NO.	TITLE
0192N	"REDUCING NITROGEN COMPOUND CONTENT IN EXHAUST GAS" GANDHI,H.,SHELEF,M. FR. 2151322 (F 01N),MAY 18,1973,8P.
0193N	"CATALYSTS FOR EXHAUST GAS TREATMENT" OKUYAMA,T.,SANO,M.,MANABE,S.,IWABUCHI,H. GER. OFFEN. 2252402 (B 01J, F 01N),MAY 30,1973,36P.
0194N	"OXIDATION OF NITROGEN MONOXIDE" TAKEYAMA,T.,ENDO,R.,MASUDA,K. JAPAN. KOKAI 73 32795 (15 B22),MAY 2,1973,3P.
0195N	"CATALYTIC PURIFICATION OF WASTE GASES FROM NITRIC ACID MANUFACTURE" COLLINS,M.F.,MICHALEK,R. GER. OFFEN. 2255732 (C 01B),MAY 24,1973,16P.
0196N	"ISOCYANATE INTERMEDIATES IN THE REACTION NO-CO OVER A PT/AL2O3 CATALYST" UNLAND,M.L. JOURNAL OF PHYSICAL CHEMISTRY,V. 77,NO. 16, 1973,P.1952-1956
0197N	"THE CATALYTIC REDUCTION OF NITRIC OXIDE OVER SUPPORTED RUTHENIUM CATALYSTS" TAYLOR,K.,KLIMISCH,R.L. JOURNAL OF CATALYSIS,V. 30,NO. 3,1973,P.478-484
0198N	"CONTROL OF NITROGEN OXIDES EMISSION FROM ENGINES" TOURTELLOTEE,J.F.,NEGRA,J.S.,WARSHAW,A.,VILLIERSFISHER,J. U.S. 3739583, JUNE 19,1973,5P.

ACCESSION NO.	TITLE
0199N	"PALLADIUM-PLATINUM CATALYSTS FOR DECOMPOSITION OF NITROGEN OXIDES" TSUNOI,K.,TADA,K. JAPAN. KOKAI 73 15785,FEB. 28,1973,3P.
0200N	"REDUCTION OF NITROGEN OXIDE IN EXHAUST GAS FROM INTERNAL COMBUSTION ENGINES" HORIE,K.,YAMAUCHI,S.,HARA,J.,OHHARA,T. JAPAN. KOKAI 73 42989,JUNE 21,1973,6P.
0201N	"CATALYSTS FOR THE REDUCTION OF NITROGEN OXIDES" GERHARD,M.,SIEPMANN,R.,KUMMER,F. GER. OFFEN. 2151958 (B 01J),APR. 26,1973,10P.
0202N	"CATALYST FOR REDUCING NITROGEN OXIDES" KOOKI,Y.,OKAMOTO,O.,KAWAKAMI,A.,WATANABE,S. JAPAN. KOKAI 73 28391 (13(9)G11),APR. 14,1973,3P.
0203N	"THE ADSORPTION OF NITRIC OXIDE ON PLATINUM BLACK" OTTO,K.,SHELEF,M. JOURNAL OF CATALYSIS,V. 29,1973,P.138-145
0204N	"THE ADSORPTION OF NITRIC OXIDE ON COPPER OXIDES" GANDHI,H.S.,SHELEF,M. JOURNAL OF CATALYSIS,V. 28,1973,P.1-7
0205N	"A LOW TEMPERATURE CATALYTIC APPROACH TO NO(X) CONTROL" LAWSON,A. JOURNAL OF CATALYSIS,24,1972,P.297-305

ACCESSION NO.	TITLE
0206N	"CATALYTIC PROPERTIES OF METAL OXIDES OF PERIOD VI OF THE PERIODIC SYSTEM WITH RESPECT TO OXIDATION REACTIONS" YUREVA,T.M.,POPOVSKII,V.V.,BORESKOV,G.K. TRANSLATED FROM KINETIKA I KATALIZ,V. 6,NO. 6,NOV.-DEC. 1965,P.1041-1045
0207N	"ADSORPTIVITIES AND REACTIVITIES OF LOWER HYDROCARBONS DURING OXIDATION ON A SILVER CATALYST BY NITRIC OXIDE" BELOUSOV,V.M.,MUL IK,I.Y.,RUBANIK,M.Y. TRANSLATED FROM KINETIKA I KATALIZ,V. 10,NO. 4,JULY-AUG. 1969,P.841-846
0208N	"REACTION OF NITRIC OXIDE WITH HYDROGEN ON PLATINUM WHICH HAS BEEN PURIFIED UNDER SUPER-HIGH VACUUM" TRETYAKOV,I.I.,KORCHAK,V.N.,SHUB,B.R. TRANSLATED FROM KINETIKA KATALIZ,V. 13,NO.2,MAR.-APR. 1972,P.512-514
0209N	"HNO AS AN INTERMEDIATE IN THE CATALYTIC REDUCTION OF NITRIC OXIDE" GONZALEZ,R.D.,AUDETTE,D.E. JOURNAL OF CATALYSIS,V. 17,NO.1,1970,P.116-118
0210N	"CATALYTIC TREATMENT OF NITRIC ACID PLANT TAIL GAS" ANDERSEN,H.C.,GREEN,W.J.,STEELE,D.R. INDUSTRIAL AND ENGINEERING CHEMISTRY,V. 53,NO. 3,MAR. 1961,P.199-204

ACCESSION NO.	TITLE
0211N	"STUDIES OF SURFACE REACTIONS BY NITROGEN - 15 ISOTOPE LABELING I. THE REACTION BETWEEN NITRIC OXIDE AND AMMONIA OVER SUPPORTED PLATINUM" OTTO,K.,SHELEF,M.,KUMMER,J.T. J. PHYS. CHEM.,74(13); 2690-2698,1970
0212N	"STUDIES OF SURFACE REACTIONS OF NITRIC OXIDE BY ISOTOPE LABELING. IV, REDUCTION OF NITRIC OXIDE BY AMMONIA AND HYDROGEN OVER SUPPORTED RUTHENIUM" OTTO,K.,SHELEF,M. J. PHYS. CHEM.,85(5-6),308-322,1973
0213N	"DRY CATALYTIC REDUCING REACTION FOR NITROGEN OXIDES" KASAOKA,N.,MOTUO,K.,SETSUO,I. PREPRINT,JAPAN SOCIETY OF CHEMICAL ENGINEERING. TOKYO, P. 25 -27, 1973
0214N	"METHOD OF NITROGEN OXIDES REMOVAL" ENDO,A.,TETSU,T.,KEIZO,M. JAPAN, PAT. SHO 47-50982, 3P., DEC. 21,1972
0215N	"METHOD FOR REMOVING NITROGEN OXIDES FROM WASTE GASES" ENDO,A.,TETSU,T.,KEIZO,M. JAPAN PAT. SHO 47-50981, 3P., DEC. 21, 1972
0216N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,RAKOWSKY,F.W.,HIRSCHBERG,E.H.,LANG,C.R.,SCHOC SOC. AUTOMOT. ENGRS., SPEC. PUB. NO. 370, 24P., MAY 1972

ACCESSION NO.	TITLE
0217N	"EXPERIMENTS FOR THE PRODUCTION OF INERT GAS FROM THE WASTE GASES OF A NITRIC ACID PLANT" PORZEL,W.,WOLFGANG,K. CHEM. TECH., 23(9); 537-539, SEPT. 1971
0218N	"CONTACT TYPE REMOVAL METHOD FOR NO CONTAINED IN GAS MANUFACTURED FROM COAL, COKE, OR OIL" OKI,T.,TETSU,A.,AKIRA,T.,SHIGERU,H. JAPAN PAT. SHO 46-18383, 4P., MAY 22, 1971
0219N	"NITROGEN OXIDE POLLUTION; PROCESSING NITRIC ACID TAIL GAS" ADLHART,O.J.,HINDIN,S.G.,KENSON,R.F. CHEM. ENG. PROGR., 67(2); 73-78, 1971
0220N	"POWER AND INDUSTRY; CONTROL OF NITROGEN OXIDE EMISSIONS" PERRINE,R.L.,LIMIN,H. PROJECT CLEAN AIR, CALIF. UNIV. BERKELEY, TASK FORCE 5, 1(9), SEPT. 1970
0221N	"UTILIZATION OF TIED NITROGEN DURING CATALYTIC REDUCTION OF NITROGEN OXIDE" JAROS,S.,KRIZEK,J.,SEBEK,J. CZECH. PAT. 124669, OCT. 15, 1967
0222N	"METHOD OF REMOVING SULFUR DIOXIDE AND NITROGEN OXIDES FROM GASES" RYASON,P.R. U.S. PAT. 3,454,355, JULY 8, 1969

ACCESSION NO.	TITLE
0223N	"CATALYTIC ACTIVITY OF SPINELS AND THEIR OXIDE CONTENT IN THE REACTION OF NITRIC OXIDE WITH CARBON MONOXIDE" VLADENKI,V.M.,YUZEFOVICH,G.E.,NEPIYUSHCHAYA,R.P. INST. FIZ. KHIM. IM. PISARZHEVSKOGO, KIEV, USSR, KATAL. KATAL. (KAKAA), NO. 10, 81-5, 1973
0224N	"CATALYTIC CHEMISTRY OF NITRIC OXIDE. I. EFFECT OF WATER ON THE REDUCTION OF NITRIC OXIDE OVER SUPPORTED CHROMIUM AND IRON OXIDES" KOBYLINSKI,T.P.,TAYLOR,B.W. J. CATAL., 31(3), 450-458, 1973
0225N	"COBALT SULFIDE AND NICKEL SULFIDE CATALYSTS FOR REDUCTION OF NITROGEN OXIDES IN EXHAUST GASES" POMOT,J.L.E. GER. OFFEN. 2307342 (B01J), AUG. 30, 1973
0226N	"CATALYTIC REMOVAL OF NITROGEN OXIDES FROM AUTOMOTIVE EXHAUST GASES" SIMIZU,I.,DAWASAKI,M. JAPAN. KOKAI 73 71366(13(7)A11, 51 D51, 13(9) G3),SEPT. 27, 1973
0227N	"CATALYST FOR WASTE GAS TREATMENT" HOSODA,H.,KAWAKAMI,A.,OKAMOTO,O.,MIYAMOTO,A. JAPAN. KOKAI 73 55190 (13(9)G11), AUG. 2, 1973
0228N	"CATALYST FOR REMOVING NITROGEN OXIDES" HASEGA,O.,YOKOTA,S. JAPAN. KOKAI 73 55890 (13(9)G11), AUG. 6, 1973

ACCESSION NO.	TITLE
0229N	"COPPER-IRON-NICKEL ALLOY CATALYSTS FOR REMOVAL OF NITRIC OXIDE FROM AUTOMOTIVE EXHAUST GASES" NIIMI,I.,MORITA,A.,MENOTO,Y.,SATO,M. GER. OFFEN. 2306785 (C 22C), AUG. 23, 1973
0230N	"CHROMIUM OXIDE-IRON OXIDE-NICKEL OXIDE CATALYSTS FOR TREATMENT OF AUTOMOTIVE EXHAUST GASES" OKUYAMA,T.,SANO,M.,MINE,J. GER. OFFEN. 2308789 (B01J), AUG. 30,1973
0231N	"NITROGEN OXIDES: AN ANNOTATED BIBLIOGRAPHY" NATIONAL AIR POLLUTION CONTROL ADMINISTRATION NATIONAL AIR POLLUTION CONTROL AD. PUB. NO. AP-72, U.S. DEPT. OF H.E.W., RALEIGH, NO. CAROLINA, AUG. 1970
0232N	"STABILITY OF NITRIC OXIDE OVER A LONG TIME INTERVAL" HOWARD,C.S.,DANIELS,G. J. PHYS. CHEM., 62(3): 360-1, 1958
0233N	"THE CATALYTIC DECOMPOSITION OF NITRIC OXIDE AT THE SURFACE OF PLATINUM" GREEN,T.E.,HINSHELWOOD,C.N. J. CHEM. SOC., PP. 1709-13, 1926
0234N	"DECOMPOSITION OF NITRIC OXIDE BY PLATINUM AT ELEVATED TEMPERATURES AND ITS RETARDATION BY OXYGEN" BACHMAN,P.W.,TAYLOR,G.G. J. PHYS. CHEM., 33: 447-55, 1929

ACCESSION NO.	TITLE
0235N	"KINETICS OF THE THERMAL DECOMPOSITION AND FORMATION OF NITRIC OXIDE" VETTER,K. Z. ELECTROCHEM., PART I AND II, 53: 369-80, 1949
0236N	"KINETICS OF DECOMPOSITION OF NITRIC OXIDE AT ELEVATED TEMPERATURES. I. RATE MEASUREMENTS IN A QUARTZ VESSEL" WISE,H.,FRECH,M.F. J. CHEM. PHYSICS, 20(1): 22-4, 1952
0237N	"KINETICS OF DECOMPOSITION OF NO AT ELEVATED TEMPERATURES. II. THE EFFECT OF REACTION PRODUCTS AND THE MECHANISM OF DECOMPOSITION" WISE,H.,FRECH,M.F. J. CHEM. PHYSICS, 20(11): 1724-7, 1952
0238N	"KINETICS OF DECOMPOSITION OF NITRIC OXIDE" KAUFMAN,F.,KELSO,J.R. J. CHEM. PHYSICS, 21(4): 751, 1953
0239N	"KINETICS OF THE DECOMPOSITION OF NITRIC OXIDE THE THE RANGE 700-1800 DEG." YUAN,E.L.,SLAUGHTER,J.I.,KOERNER,W.E.,DANIELS,F. J. PHYS. CHEM., 63(6): 952-6, 1959
0240N	"CATALYTIC DECOMPOSITION OF NITRIC OXIDE" RIESZ,C.H.,MORRITZ,F.L.,FRANSON,K.D. AIR POLLUTION FOUNDATION REPORT, NO. 20, 22P., 1957

ACCESSION NO.	TITLE
0241N	"SULFUR REMOVAL DURING COMBUSTION OF SOLID FUELS IN A FLUIDIZED BED OF DOLOMITE" ZIELKE,C.W.,LEBOWITZ,H.E.,STRUCK,R.T.,GORIN,E. AMER. CHEM. SOC., DIV. OF FUEL CHEMISTRY, 13(4); 13-29, 1969
0242N	"SELECTIVE REMOVAL OF NITROGEN OXIDES FROM OXYGEN-CONTAINING GASES ESPECIALLY FROM NITRIC ACID PRODUCTI COHN,J.,STEELE,D.R.,ANDERSEN,H.C. U.S. 2,975,025,NOV. 5, 1971
0243N	"FORMS OF OXYGEN BONDS ON THE SURFACE OF OXIDATION CATALYSTS" BORESKOV,G.K. DISC. FARADAY SOC., 41; 263, 1966
0244N	"CATALYSIS" LAIDLER,K.J. REINHOLD (P.H. EMMET ED.), NEW YORK, V. 1, 1954, P. 149
0245N	"LA DECOMPOSITION DU BIOXYDE D AZOTE PAR LES CATALYSEURS DE PLATINE" ZAWADZKI,J.,PERLINSKI,G. COMPTES RENDUS, 198; 260, 1934
0246N	"ANALYSIS OF THE PRE-EXPONENTIAL FACTOR FOR THE HETEROGENEOUS CATALYTIC DECOMPOSITION OF NITRIC OXIDE" GODOLETS,G.I. KINETIKA I KATALIZ, 6(6); 1123-1124, 1965

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ACCESSION NO.	TITLE
0247N	"SECONDARY ION EMISSION STUDY OF THE CATALYTIC REACTIONS BETWEEN AMMONIA AND NITROUS OXIDE AND THE DECOMPOSITION OF NITROUS OXIDE ON PLATINUM" FOGEL,Y,M,NADYKTO,P.T.,SHVACHKO,V.I.,RYBALKO,V.F.,KOROBEHANS KINETIKA I KATALIZ, 5(5); 942-944, 1964
0248N	"CATALYTIC REDUCTION OF NOX - PILOT PLANT OPERATION" ENVIRONICS INC. ENVIRONICS INC., HUNTINGTON BEACH, CA., PROGRESS REPORT, JUL Y 1973
0249N	"SUPPORTED CHROMIUM OXIDE CATALYSIS FOR ETHYLENE POLYMERIZATION. THE CAUSE OF STABILIZATION OF CR ION" KARAKCHIEV,I.G.,BRMAKOV,Y.I.,KOLOVERTNOV,G.D. KINETIKA I KATALIZ, 8(1); 188-192, 1967
0250N	"REMOVAL OF NITROGEN OXIDES FROM COMBUSTION GASES" BRENNAN,J.A. U.S. 3,015,369, MAY 23, 1960
0251N	"STUDY OF CATALYTIC CONTROL OF EXHAUST EMISSIONS FOR OTTO CYCLE ENGINES" YOLLES,R.S.,WISE,H.,BERRIMAN,L.P. STANFORD RESEARCH INSITIUTE, FINAL REPORT, IRVINE, CA., APR. 1970
0252N	"CATALYSTS FOR AUTOMOTIVE POLLUTION CONTROL DEVICES" NOBE,K.,BAUERLE,G.L. FINAL REPORT, SCHOOL OF ENGINEERING AND APPLIED SCIENCES, U. C.L.A., SEPT. 1973

CATALYTIC NOX
ACCESSION NUMBER BIBLIOGRAPHY
APR 30, 1974

ACCESSION NO.	TITLE
0253N	"NEW OXIDE CATALYST WITH PEROVSKITE-RELATED STRUCTURE FOR REDUCTION OF NO WITH NH3" KUDO,T.,MANABE,T.,GEJO,T.,SEKI,M.,YOSHIDA,K. PRESENTED AT 167TH MEETING OF AM. CHEM. SOC., DIV. OF WATER, AIR AND WASTE CHEM., LOS ANGELES,CA., APR. 1974
0254N	"DEVELOPMENT OF A METHOD FOR THE ANALYSIS OF NO2 AND NH3 BY NO-MEASURING INSTRUMENTS" BREITENBACH,L.P.,SHELEF,M. J. OF THE AIR POLLUTION CONTROL ASSOC., 23(2): 128-131, 1973
0255N	"NOX REDUCTION CATALYSTS FOR VEHICLE EMISSION CONTROL" MEGUERIAN,G.H.,RADOWSKY,F.W.,HERSCHBERG,F.H.,LANG,C.R.,SCHOC S.A.E. PAPER 720480, MAY 1972
0256N	"NITRIC OXIDE REDUCTION WITH H2 ON MIXED METAL OXIDE CATALYSTS" BAUERLE,G.L.,NOBE,K. IN PRESS, 1974
0257N	"REDUCTION OF NITRIC OXIDE WITH HYDROGEN ON COPPER-NICKEL AND NICKEL-CHROMIUM CATALYSTS" ORSINI,R.A.,TUNICK,S.A.,BAUERLE,G.L.,NOBE,K. U.C.L.A. REPORT UCLA-ENG-7402, JAN. 1976
0258N	"AMMONIA FORMATION IN THE CATALYTIC REDUCTION OF NITRIC OXIDE. III. THE ROLE OF WATER GAS SHIFT, REDUCTION BY HYDROCARBONS AND STEAM REFORMING" SHELEF,M.,GANDHI,H.S. IND. ENG. CHEM., PROD. RES. DEVELOP., 13(1): 80-85, 1974

ACCESSION NO.	TITLE
0259N	"PROCESSING NITRIC ACID TAIL GAS" ADLHART,O.J.,HINDIN,S.G.,KENSON,R.F. CHEM. ENG. PROGRESS, 67(2), 73-78

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